

Atty. Ref. 44921-5090-01-WO/2105485
TABLE 3

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast), ESTs, Weakly similar to guanine nucleotide-binding protein, beta-1# subunit [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:7934 MAGE:3583848, mRNA, complete cds, budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae), guanine nucleotide binding protein, beta 1, neural precursor cell expressed, developmentally down-regulated gene 1
2209	21805 NM_030987	cc, dd		CAC-1, RIKEN cDNA 1810017F10 gene, RIKEN cDNA 2010001C09 gene
698	2582 AA905164	gg		calcium binding protein, 140 kDa, heat shock 70 kDa protein 4, heat shock 70 kDa protein 4, heat shock protein (hsp110 family), osmotic stress protein 94 kDa, oxygen regulated protein (150kD)
2594	15711 NM_153629	p		calnexin, calnexin
435	11935 AA893328	gg		Carboxypeptidase E, ESTs, Weakly similar to carboxypeptidase E [Rattus norvegicus] [R.norvegicus], carboxypeptidase E, carboxypeptidase X 1 (M14 family), expressed sequence A589379, expressed sequence A986902
67	17875 AA799755	cc, dd		CARD only protein, ESTs, Moderately similar to A57511 interleukin-1 beta converting enzyme [H.sapiens], ESTs, Weakly similar to A56084 interleukin-1beta converting enzyme beta isozyme [H.sapiens], Homo sapiens mRNA; cDNA DKFZp586A181 (from clone DKFZp586A181); partial cds, ICEBERG caspase-1 inhibitor, caspase 1, caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)
1791	18066 NM_012762	aa, bb		CARD only protein, ESTs, Moderately similar to A57511 interleukin-1 beta converting enzyme [H.sapiens], ESTs, Weakly similar to A56084 interleukin-1beta converting enzyme beta isozyme [H.sapiens], Homo sapiens mRNA; cDNA DKFZp586A181 (from clone DKFZp586A181); partial cds, ICEBERG caspase-1 inhibitor, caspase 1, caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)
1791	18068 NM_012762	e		cargo selection protein (mannose 6 phosphate receptor binding protein)
1467	24270 AI230758	n, o		cathepsin S
2002	1884 NM_017320	b, l, m, kk		Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain 2, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain 4
1343	16124 AI178963	p, q, r, bb, ee, ff, jj, kk		

TABLE 3
Alty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2419	16122 NM_053698	p, q, ee, ff		Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4
2419	16123 NM_053698	d, p, q, jj, kk		Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4
494	4790 AA900875	ee, ff		Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4
1867	8899 NM_013087	d, f		CD 81 antigen, CD81 antigen (target of antiproliferative antibody 1), ESTs, Weakly similar to CD81 ANTIGEN [M.musculus], ESTs, Weakly similar to CD81_RAT CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) [R.norvegicus]
2086	19710 NM_021744	aa, j, k, q, hh, kk		CD14 antigen
2129	4412 NM_022523	l, m		CD151 antigen, EST A4426782, ESTs, Moderately similar to C151 MOUSE PLATELET-ENDOTHELIAL TETRASPAAN ANTIGEN 3 [M.musculus], RIKEN cDNA 1110014F12 gene, RIKEN cDNA 2210021G21 gene, RIKEN cDNA 2610042G18 gene, RIKEN cDNA 2700063A19 gene, transmembrane 4 superfamily member 6
1932	1523 NM_017079	h, l, n, o, w, x		CD1B antigen, b polypeptide, CD1D antigen, d polypeptide, CD1E antigen, e polypeptide, CD1f antigen, CD1d2 antigen, expressed sequence AI747460
2567	17854 NM_139103	ii		CD2 antigen family, member 10, CD48 antigen (B-cell membrane protein), CD84 antigen, ESTs, Weakly similar to CD48_RAT MRC OX-45 surface antigen precursor (BCM1 surface antigen) (BLAST-1) (CD48) [R.norvegicus], RIKEN cDNA 5830408F06 gene, expressed sequence AI449234
666	24040 AA957422	η, ο, ω, χ		CD3 antigen, zeta polypeptide, CD3Z antigen, zeta polypeptide (TTT3 complex), Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide, Fc receptor, IgE, high affinity I, gamma polypeptide, Homo sapiens, Similar to Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide, clone MGc:22620 IMAGE:470425 mRNA, complete cds, T-cell receptor CD3, subunit zeta

TABLE 3 Atty. Ref. 44921-509001-WO/2004/063334

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
393	24873 AA892498	jj, kk a, p, q, cc, dd, ee, ff, jj, kk			CD63 antigen (melanoma 1 antigen), Cd63 antigen, EST, Weakly similar to CD63 MOUSE CD63 ANTIGEN [M.musculus], expressed sequence C75951, tetraspan 3, transmembrane 4 superfamily member 8
2111	22499 NM_022393				CD72 antigen, Mus musculus strain BALB/c dectin-2 gamma isoform mRNA, complete cds, alternatively spliced, NK receptor Ly-49Q, astroglycoprotein receptor 1, macrophage galactose N-acetyl-galactosamine specific lectin CD9 antigen, CD9 antigen (p24), ESTs, Highly similar to 2103288A CD9 protein [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:38363 IMAGE:5344986, mRNA, complete cds, RIKEN cDNA 6330415F13 gene, transmembrane 4 superfamily member 3, uroplakin 1A
2523	20890 NM_133526	ii			CDA2 protein, ESTs, Weakly similar to IF39_HUMAN_EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 [H.sapiens]
304	15372 AA875205	y, z			CDA2 protein, ESTs, Weakly similar to IF39_HUMAN_EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 [H.sapiens]
1685	15374 H34186	j, k			
2387	14904 NM_053492	s, t			CDw92 antigen, ESTs, Weakly similar to CTL2 gene [Homo sapiens] [H.sapiens], ESTs, Weakly similar to transporter-like protein [Rattus norvegicus] [R.norvegicus], Homo sapiens, clone MGC:34032 IMAGE:4828797, mRNA, complete cds, Mus musculus, Similar to transporter-like protein, clone MGC:7894 IMAGE:3582543, mRNA, complete cds, RIKEN cDNA 1110028E10 gene, RIKEN cDNA 2210409B01 gene, chromosome 6 open reading frame 29, expressed sequence AW547365
2530	1827 NM_133572	r, u, v			cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C
2530	1830 NM_133572	v			cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C
2530	1831 NM_133572	v			cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25C
416	22871 AA892859	gg			cerebral cell adhesion molecule
33	23294 AA799472	b			CGI-116 protein
443	19505 AA893634	r, ii			CGI-120 protein, COPZ2 for nonclathrin coat protein zeta-COP, coatomer protein complex subunit zeta 1
1588	3368 AI237331	c			CGI-143 protein
1029	18 A1070195	w, x			CGI-20 protein

TABLE 3

TABLE 3						Atty. Ref. 44921-5090-01-WO/21/05485	
SEQ ID	GenBank Acc. ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name		Human Homologous Sequence Cluster Title	
1520	3100	AI232741	hh			CGI-51 protein, EST, Weakly similar to CG51_HUMAN PROTEIN CGI-51 [H.sapiens]	
647	14327	AA956111	h, l			CGI-69 protein, EST, Moderately similar to T43493 hypothetical protein DKFZp434C19.1 [H.sapiens], mitochondrial carrier family protein CGI-74-like SR-rich DNA segment, Chr 17, human D6S45, EST, Weakly similar to SRA4_HUMAN CTD-BINDING SR-LIKE PROTEIN RA4 [H.sapiens], ESTs, Highly similar to T31420 C-terminal domain-binding protein rA8 - rat [R.norvegicus], ESTs, Moderately similar to RD PROTEIN [M.musculus], ESTs, Weakly similar to T31420 C-terminal domain-binding protein rA8 - rat [R.norvegicus], KIAA1116 protein, expressed sequence A1447644, expressed sequence A1448652, hypothetical protein FLJ10290, pre-mRNA splicing SR protein rA4	
2565	734	NM_139094	gg			CGI-86 protein, DKFZp366O084 protein, ESTs, Weakly similar to T17307 hypothetical protein DKFZp566O084.1 [H.sapiens], hypothetical protein MGC4172, retinal short chain dehydrogenase reductase	
1629	17215	AI639268	h, l, n, o, jj, kk			chaperonin containing TCP1, subunit 6A (zeta 1), chaperonin subunit 6a (zeta)	
294	16319	AA875047	e			chitinase 3-like 1, chitinase 3-like 1 (cartilage glycoprotein-39)	
607	22615	AA945643	kk			cholinergic receptor, muscarinic 2	
2216	1024	NM_031016	s, u, v			cholinergic receptor, muscarinic 2	
2216	1025	NM_031016	u, v			chromosome 11 open reading frame 17, predicted gene CRFP703B16 4Q5.6	
84	18881	AA799992	c, h, i, n, o, w, x			chromosome 11 open reading frame 17, predicted gene CRFP703B16 4Q5.6	
84	18883	AA799992	c, n, o, kk			chromosome 20 open reading frame 30	
878	23444	AI013448	d			chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	
1861	17181	NM_013073	gg			chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	
1861	21830	NM_013073	aa, bb			chromosome 7 open reading frame 2, lipocalin-interacting membrane receptor clymase 1, mast cell, mast cell protease 1	
77	21000	AA799816	h, l			clathrin, light polypeptide (Lca), clathrin, light polypeptide (Lcb), expressed sequence AV0265556	
2602	951	S69206	ii			clathrin, light polypeptide (Lca), clathrin, light polypeptide (Lcb), expressed sequence AV0265556	
2438	17154	NM_053935	b, gg			clathrin, light polypeptide (Lca), clathrin, light polypeptide (Lcb), expressed sequence AV0265556	
2438	17155	NM_053935	g			clathrin, light polypeptide (Lca), clathrin, light polypeptide (Lcb), expressed sequence AV0265556	

Attv. Ref. 44921-5090-01-WO/2105485

TABLE 3

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2438	18065	NM_053835	c		clathrin, light polypeptide [Lca], clathrin, light polypeptide [Lcb], expressed sequence AV026556
1604	17108	A1639017			CLLL8 protein, EST, Highly similar to S30385 G9a protein [H.sapiens], ESTs, Weakly similar to T17453 ERG-associated protein ESET - mouse [M.musculus], SET domain, bifurcated 1, euchromatic histone methyltransferase 1, suppressor of variegation 3-9 (Drosophila) homolog 2, hypothetical protein FLJ23414 CLST11240 protein, DKFZp564K247 protein, ESTs, Highly similar to T14766 hypothetical protein DKFZp564K247.1 [H.sapiens], ESTs, Weakly similar to hypoxia induced gene 1 [Rattus norvegicus] [R.norvegicus], Homo sapiens mRNA; cDNA DKFZp434A1627 (from clone DKFZp434A1627), RIKEN cDNA 2010110M21 gene, RIKEN cDNA 2310056K19 gene, hypothetical protein MGC2198, hypoxia induced gene 1 coagulation factor III, coagulation factor III (thromboplastin, tissue factor)
2501	9952	NM_080902	cc, dd		Cococarcisp, EST, Highly similar to epididymal glycoprotein [Rattus norvegicus] [R.norvegicus], acidic epididymal glycoprotein 1, acidic epididymal glycoprotein 2, epididymal glycoprotein, glioma pathogenesis-related protein
1856	24874	NM_013057	r		Complement component 4 binding protein, alpha, Mus musculus decay accelerating factor glycosylphosphatidylinositol-anchored form (DAF) mRNA, partial cds, complement component 4 binding protein, complement component 4 binding protein, alpha, decay accelerating factor 1, expressed sequence AI195242, expressed sequence AI323748, zona pellucida 3 receptor
2546	19894	NM_138518	t,		component of oligomeric golgi complex 4
991	8012	A1058330	ee, ff, kk		component of oligomeric golgi complex 4
196	24128	AA849766	bb		connective tissue growth factor
1358	24129	A1177590	b		craniofacial development protein 1
2101	6585	NM_022286	q, kk		Creatine transporter [human, brainstem/spinal cord, mRNA, 2283 nt], ESTs, Highly similar to GU2277 creatine transporter [H.sapiens], Mus musculus, Similar to solute carrier family 6 (neurotransmitter transporter, GABA), member 13, clone MGC:28956 IMAGE:4240641, mRNA, complete cds, X transporter protein 3, expressed sequence AA589632, solute carrier family 6 (neurotransmitter transporter, creatine), member 8
1428	22915	A1228299	bb		
2009	468	NM_017348	w, x		

Atty. Ref. 44921-5090-01-WO2105485
TABLE 3

SEQ ID	GLGC ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1254	22958	AI171374	p, q, t		CTAGE-1 protein, ESTs, Moderately similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], ESTs, Weakly similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], KIAA0268 protein, meningioma expressed antigen 6 (coiled-coil proline-rich)
1451	7650	AI230142	w, x		C-type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 13, ESTs, Weakly similar to KUCR_RAT Kupffer cell receptor [R.norvegicus], Kupffer cell receptor, Langerhans cell specific c-type lectin
1792	17257	NM_012766	e, aa, bb, ee, ff		cyclin D3
1792	17261	NM_012766	l, m		cyclin D3
736	2782	AA998565	c, l, m		cyclin-dependent kinase inhibitor 1C (P57), cyclin-dependent kinase inhibitor 1C (p57, Kip2)
2268	11258	NM_031327	y, z, ee, ff, gg		cysteine rich protein 61, cysteine-rich, angiogenic inducer, 61
2183	20770	NM_024160	n, o		cytochrome b-245, alpha polypeptide
1795	449	NM_012786	hh		cytochrome c oxidase, subunit VIIIb, heme-regulated initiation factor 2-alpha kinase
1795	450	NM_012786	f, hh		cytochrome c oxidase, subunit VIIIb, heme-regulated initiation factor 2-alpha kinase
547	52227	AA925924	l, q, kk		cytokine receptor-like factor 1
1528	52228	AI233311	h, l, n, o		DEAD/H (Asp-Glu-Ala-Asp)/His] box polypeptide 20, DEAD/H (Asp-Glu-Ala-Asp)/His] box polypeptide 20, 103kD, DEAD/H (Asp-Glu-Ala-Asp)/His] box polypeptide 39, DEAD/H (Asp-Glu-Ala-Asp)/His] box polypeptide 6 (RNA helicase, 54kD), DEAD/H (Asp-Glu-Ala-Asp)/His] box polypeptide 7 (RNA helicase, 52kD), EST, Moderately similar to HLA-B-associated transcript 1A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bar1 [Mus musculus], HLA-B-associated transcript 1A
2395	4327	NM_053563	a, n, o, y, z, jj, kk		death-associated kinase 3, death-associated protein kinase 1, death-associated protein kinase 3, expressed sequence A120/41, serine/threonine kinase 17a (apoptosis-inducing), serine/threonine kinase 17b (apoptosis-inducing)
2139	12422	NM_022546	n, o		

Atty. Ref. 44921-5090-01-WO2105485
TABLE 3

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2332	16155 NM_031810	ii		defensin beta 1, defensin beta 2, defensin, beta 1, expressed sequence AW260221	
2132	6100 NM_022531	n, o		desmin	
2502	4739 NM_130400	aa, bb		dihydrofolate reductase	
2182	4504 NM_024159	d		disabled homolog 1 (Drosophila), disabled homolog 2 (Drosophila), disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	
939	7880 A1043714	ii		DKFZP434B0335 protein	
2453	531 NM_053051	gg		DKFZP434I216 protein, ESTs, Highly similar to DBS MOUSE GUANINE NUCLEOTIDE EXCHANGE FACTOR DBS [M.musculus], ESTs, Weakly similar to DBS MOUSE GUANINE NUCLEOTIDE EXCHANGE FACTOR DBS [M.musculus], ESTs, Weakly similar to TIAM MOUSE T-LYMPHOMA INVASION AND METASTASIS INDUCING PROTEIN 1 [M.musculus], Homo sapiens cDNA: FLJ2933 fis, clone HEP04337, KIAA0861 protein, KIAA1209 protein, MCF-2 cell line derived transforming sequence, MCF-2 cell line derived transforming sequence-like, RIKEN cDNA 2410008H17 gene, T-cell lymphoma invasion and metastasis 2, expressed sequence AA408740, hypothetical protein MGC2780, likely ortholog of mouse common-site lymphomaleukemia GEF, mcf.2 transforming sequence DKFZP564D0764 protein, ESTs, Weakly similar to zinc finger protein 319 [Mus musculus] [M.musculus], KIAA1805 protein, Mus musculus, clone MGCC:29358 IMAGE:5038671, mRNA, complete cds, OLF-1/EBF associated zinc finger gene, RIKEN cDNA 4931408L03 gene, early B-cell factor associated zinc finger protein DKFZP564O0823 protein, ESTs, Weakly similar to S59856 collagen alpha 1(III) chain precursor - mouse [M.musculus], hypothetical protein DKFZp547D065, hypothetical protein FLJ13725, mucin and cadherin-like, splicing factor 3a, subunit 2, 66kD	
2401	24875 NM_053583	ii, jj, kk		DKFZP566C0424 protein	
1166	10780 A1136555	c		DKFZP566D213 protein, EST, Moderately similar to EPIDERMAL GROWTH FACTOR PRECURSOR [M.musculus], Homo sapiens mRNA, cDNA	
482	11268 AA899969	l, m		DKFZP434O0213 (from clone DKFZp434O0213); partial cds, hypothetical protein MGCC:1256, nidogen 2	
1015	8347 A1059519	n, o			

TABLE 3
SEQ ID **GLGC ID No.** **GenBank Acc.** **Model Code** **Human Homologous Known Gene Name** **Human Homologous Sequence Cluster Title**
Atty. Ref:44921-5090-01-WO/20105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2580	1948 NM_145092	b, l, m		DKEZP586G011 protein, ESTs, Weakly similar to T08767 probable lamina-associated protein DKEZP586G011. [H.sapiens], Mus musculus, clone MGC:6357 IMAGE:3493883, mRNA, complete cds	DKEZP586G011 protein, ESTs, Weakly similar to T08767 probable lamina-associated protein DKEZP586G011. [H.sapiens], Mus musculus, clone MGC:6357
742	21666 AB012214	n, o		DNA (cytosine-5')-methyltransferase 1, DNA methyltransferase (cytosine-5) 1, EST, Weakly similar to JE0378 DNA (cytosine-5')-methyltransferase (EC 2.1.1.37) - rat [R.norvegicus], F-box and leucine-rich repeat protein 11, Mus musculus DNA cytosine methyltransferase mRNA, methyl-CpG binding domain protein 1, protein containing CXXC domain 2	DNA (cytosine-5')-methyltransferase 1, DNA methyltransferase (cytosine-5) 1, EST, Weakly similar to JE0378 DNA (cytosine-5')-methyltransferase (EC 2.1.1.37) - rat [R.norvegicus], F-box and leucine-rich repeat protein 11, Mus musculus DNA cytosine methyltransferase mRNA, methyl-CpG binding domain protein 1, protein containing CXXC domain 2
2283	1822 NM_031553	ii		DNA polymerase epsilon, subunit 3, ESTs, Moderately similar to CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT A [M.musculus], ESTs, Weakly similar to A23692 transcription factor, CCAAT-t-binding, chain A1 - rat [R.norvegicus], RIKEN cDNA 1810034K118 gene, down-regulator of transcription 1, down-regulator of transcription 1, TBP-binding (negative cofactor 2), nuclear transcription factor Y beta, nuclear transcription factor-Y beta, polymerase (DNA directed), epsilon 3 (p17 subunit)	DNA polymerase epsilon, subunit 3, ESTs, Moderately similar to CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT A [M.musculus], ESTs, Weakly similar to A23692 transcription factor, CCAAT-t-binding, chain A1 - rat [R.norvegicus], RIKEN cDNA 1810034K118 gene, down-regulator of transcription 1, down-regulator of transcription 1, TBP-binding (negative cofactor 2), nuclear transcription factor Y beta, nuclear transcription factor-Y beta, polymerase (DNA directed), epsilon 3 (p17 subunit)
1650	2401 AJ011607	u		DNA primase, p56 subunit, primase, polypeptide 2A (58kD)	DNA primase, p56 subunit, primase, polypeptide 2A (58kD)
2248	23568 NM_031122	e		DNA segment, Chr 1, Brigham & Women's Genetics 0212 expressed, EST, Weakly similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 1700010124 gene, RIKEN cDNA 2310040B03 gene, expressed sequence AW538196, sperm associated antigen 1, suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	DNA segment, Chr 1, Brigham & Women's Genetics 0212 expressed, EST, Weakly similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 1700010124 gene, RIKEN cDNA 2310040B03 gene, expressed sequence AW538196, sperm associated antigen 1, suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)
2248	23569 NM_031122	r			

TABLE 3
Atty. Ref. 44921-5090-01-WO/21035485

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2526	1824 NM_133545	j, k, r		DNA segment, Chr 10, ERATO D0i 398, expressed, EST, Weakly similar to 210279A protein Tyr phosphatase [Rattus norvegicus], ESTs, Weakly similar to 41 MOUSE PROTEIN 4.1 [M.musculus], protein tyrosine phosphatase, non-receptor type 14, protein tyrosine phosphatase, non-receptor type 21
2255	13358 NM_031135	d		DNA segment, Chr 12, ERATO D0i 427, expressed, RIKEN cDNA 7420700M05 gene, TGFB inducible early growth response, TGFB inducible early growth response 2
2255	13359 NM_031135	s, t		DNA segment, Chr 12, ERATO D0i 427, expressed, RIKEN cDNA 7420700M05 gene, TGFB inducible early growth response, TGFB inducible early growth response 2
2570	14463 NM_139110	ii		DNA segment, Chr 17, ERATO D0i 479, expressed, EGF-like module containing, mucin-like, hormone receptor-like sequence 1, EST, Highly similar to T08855 hypothetical protein DKFZp564O1923.1 [H.sapiens], EST, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], ESTs, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], KIAA0758 protein, cadherin EGFLAG seven-pas G-type receptor 2, hypothetical protein FLJ22684, latrophilin DNA segment, Chr 17, ERATO D0i 479, expressed, EGF-like module containing, mucin-like, hormone receptor-like sequence 1, EST, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], ESTs, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], egf-like module containing, much-like, hormone receptor-like sequence 1
2103	23511 NM_022294	n, o		DNA segment, Chr 3, University of California at Los Angeles 2, EST, Weakly similar to RL10 MOUSE 60S RIBOSOMAL PROTEIN L10 [M.musculus], EST, Weakly similar to RL10_MOUSE 60S ribosomal protein L10 (QM protein homolog) [R.norvegicus], ribosomal protein 10, ribosomal protein L10, ribosomal protein L10-like
2236	20812 NM_031100	g, h, l		DNA Segment, Chr 4, Brigham & Women's Genetics 0593 expressed, ESTs, Moderately similar to JC4899 proline rich protein - rat [R.norvegicus], RIKEN cDNA 0610011E17 gene, hypothetical protein FLJ20312, proline rich 2
2625	1283 U61729	cc, dd, ll		

Atty. Ref. 44921-5090-01-WO/2105485
TABLE 3

SEQ ID	GLGC ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2242	16847	NM_031109	h, l, x		DNA segment, Chr 4, ERATO D01429, expressed, ESTs, Weakly similar to 2113200G ribosomal protein S10 [H.sapiens], EST, Weakly similar to ribosomal protein S10 [H.sapiens], ESTs, Highly similar to 2113200G ribosomal protein S10 [H.sapiens], ESTs, Highly similar to RS10 RAT 40S RIBOSOMAL PROTEIN S10 [R.norvegicus], ESTs, Moderately similar to RIKEN cDNA 2210402A09 [Mus musculus] [M.musculus], RIKEN cDNA 2210402A09 gene, ribosomal protein S10
461	16434	AA894174	h, l		DNA segment, Chr 9, ERATO D01394, expressed, Mus musculus, Similar to electron-transfer-flavoprotein, alpha polypeptide (glutamic aciduria I), clone MGC:64811 MAGE:2646522, mRNA, complete cds, electron-transfer-flavoprotein, alpha polypeptide (glutamic aciduria I)
2145	21115	NM_022602	j, k		DNA segment, Chr X, Celltech Chiroscience 3, Mus musculus, serine threonine kinase pim3, clone MGC:27707 MAGE:4924687, mRNA, complete cds, pim-1 oncogene, pim-2 oncogene, proviral integration site 1
29	17137	AA799438	ee, ff, jj, kk		DNA segment, EST 1068184, ESTs, Highly similar to S68418 protein phosphatase 1M chain M110 isoform - rat [R.norvegicus], ESTs, Weakly similar to S68418 protein phosphatase 1M chain M110 isoform - rat [R.norvegicus], ESTs, Weakly similar to T42713 ankyrin 3, splice form 1 - mouse [M.musculus], RIKEN cDNA 1810037Q03 gene, ankyrin repeat and SOCS box-containing 1, ankyrin repeat and SOCS box-containing 2, ankyrin repeat and SOCS box-containing 3, leukocyte receptor cluster (LRC) member 3, protein phosphatase 1, regulatory (inhibitor) subunit 12A
2207	1048	NM_039863	s, t, hh		DNA segment, KIST 6, ESTs, Moderately similar to T47177 hypothetical protein DKFZp762H157.1 [H.sapiens], ESTs, Weakly similar to MOES MOUSE MOESIN [M.musculus], RIKEN cDNA 4933415l03 gene, expressed sequence AA408511, moesin, radixin, villin 2 (ezrin)

Atty. Ref. 44921-5090-01-WO210E485

TABLE 3

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2262	23097	NM_031145	n, o, cc, dd	DnaJ (Hsp40) homolog, subfamily A, member 3, EST, Moderately similar to A Chain A, Homology-Based Model Of Apo Cib [H.sapiens], ESTs, Weakly similar to CIB_HUMAN SNK INTERACTING PROTEIN 2-28 [H.sapiens], ESTs, Weakly similar to KIP1_RAT DNA-PKcs interacting protein (Kinase interacting protein) (KIP) (Calcium and integrin-binding protein) (CIB) [R.norvegicus], Mus musculus, Similar to protein kinase, DNA activated, catalytic polypeptide interacting protein, clone MGC:7098 IMAGE:3157513, mRNA, complete cds, RIKEN cDNA 1700041E20 gene, calcium and integrin binding 1 (calmyrin)	DNA-dependent protein kinase catalytic subunit-interacting protein 3, EST, Moderately similar to A Chain A, Homology-Based Model Of Apo Cib [H.sapiens], ESTs, Weakly similar to CIB_HUMAN SNK INTERACTING PROTEIN 2-28 [H.sapiens], ESTs, Weakly similar to KIP1_RAT DNA-PKcs interacting protein (Kinase interacting protein) (KIP) (Calcium and integrin-binding protein) (CIB) [R.norvegicus], Mus musculus, Similar to protein kinase, DNA activated, catalytic polypeptide interacting protein, clone MGC:7098 IMAGE:3157513, mRNA, complete cds, RIKEN cDNA 1700041E20 gene, calcium and integrin binding 1 (calmyrin)
246	16318	AA859648	p, q	DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily B, member 12, ESTs, Weakly similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to HSJ2_HUMAN DNAJ PROTEIN HOMOLOG 2 [H.sapiens], Homo sapiens cDNA FLJ13992 fis, clone Y79AA1002139, weakly similar to DNAJ PROTEIN HOMOLOG 1, RIKEN cDNA 1700014P03 gene, RIKEN cDNA 2010306G19 gene, RIKEN cDNA 573055fF12 gene, similar to MfRJ gene for a member of the DNAJ protein family (H. sapiens)	DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily A, member 4, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], ESTs, Moderately similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to DnaJ-like protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 730912, Mus musculus SEC63 (Sec63), mRNA, complete cds, similar to DNAJ
103	6892	AA800551	e, ee, f, ii		

Att'y. Ref: 44921-5090-01-WO/2105485

TABLE 3

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2161	6891 NM_022934	ee, ff	DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily A, member 4, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], ESTs, Moderately similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to DnaJ-like protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROMAGE 730912, Mus musculus SEC63 (See63) mRNA, complete cds, similar to DnaJ	DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily B, member 6, DnaJ-like protein, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROMAGE 730912, RIKEN cDNA 4930463N21 gene
1252	18047 AI1171359	bb		DnaJ (Hsp40) homolog, subfamily B, member 1, DnaJ (Hsp40) homolog, subfamily B, member 5, Homo sapiens cDNA FLJ25566 fts, clone TST01784, RIKEN cDNA 170014P03 gene, RIKEN cDNA 2010306G19 gene, RIKEN cDNA 5730551F12 gene, hypothetical protein FLJ14281
769	3808 AI008643	p, q, ee, ff		DnaJ (Hsp40) homolog, subfamily C, member 8, Homo sapiens cDNA FLJ13613 fts, clone PLACE1010856, Homo sapiens mRNA; cDNA DKFZp434C2016 (from clone DKFZp434C2016), hypothetical protein DKFZp434B227
657	5990 AA956907	u, v		doubtfulortex, lissencephaly, X-linked (doublecortin), doublecortin E2F transcription factor 4, p107/p130-binding, E2F transcription factor 5, E2F transcription factor 5, p130-binding, ESTs, Moderately similar to E2F5 MOUSE TRANSCRIPTION FACTOR E2F5 [M.musculus], ESTs, Moderately similar to E2F5 RAT TRANSCRIPTION FACTOR E2F5 (E2F-5) [R.norvegicus], Mus musculus, Similar to E2F transcription factor 4, p107/p130-binding, clone MGCG37558 IMAGE4987691, mRNA, complete cds
2080	18946 NM_021584	s, t		EBNA1 binding protein 2, ESTs, Moderately similar to EBNA1 binding protein 2, nuclear protein p40, homolog of yeast EBNA1-binding protein; nuclear FGF3 binding protein; EBNA1-binding protein 2 [Homo sapiens] [H.sapiens]
2621	399 U31668	p, q		EBNA-2 co-activator (100kD), ESTs, Moderately similar to I38968 100 kDa coactivator [H.sapiens], staphylococcal nuclease domain containing 1
1146	24375 AI104979	j, k		
2151	17586 NM_022694	w, x		

TABLE 3					Atty. Ref. 44921-5090-01-WO/21/05485
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1667	22762 D89730	bb		EGF-containing fibulin-like extracellular matrix protein 1, ESTs, Weakly similar to JC6621 epidermal growth factor-like protein, T16 precursor - rat [R.norvegicus], Mus musculus, Similar to EGF-containing fibulin-like extracellular matrix protein 1, clone IMAGE:5557328, mRNA, partial cds, epidermal growth factor-containing fibulin-like extracellular matrix protein 1, epidermal growth factor-containing fibulin-like extracellular matrix protein 2	
2568	17868 NM_139104	r, s, t		EGF-like-domain, multiple 6, ESTs, Moderately similar to T17324 hypothetical protein DKFZp564P2063.1 [H.sapiens], ESTs, Weakly similar to MEGF6 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to fibulin 5 [Mus musculus] [M.musculus], ESTs, Weakly similar to T00665 hypothetical protein - mouse [M.musculus], ESTs, Weakly similar to T17324 hypothetical protein DKFZp564P2063.1 [H.sapiens], ESTs, Weakly similar to TIE1 MOUSE TYROSINE PROTEIN KINASE RECEPTOR TIE-1 PRECURSOR [M.musculus], MEGF6, NEU1 protein, RIKEN cDNA 613040120 gene, expressed sequence AW047140	
1550	13293 AJ235032	hh		ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D), ESTs, Highly similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus], ESTs, Moderately similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus], ESTs, Weakly similar to HJD_HUMAN PARANEOPLASTIC ENCEPHALOMYELITIS ANTIGEN HJD [H.sapiens]	
1390	17358 AI179147	g		electron-transfer-flavoprotein, beta polypeptide	
1328	17920 AI176422	ll		electron-transferring-flavoprotein dehydrogenase	
943	7913 AI043849	ee, ff		ELL-related RNA polymerase II, elongation factor, ESTs, Weakly similar to ELL MOUSE RNA POLYMERASE II ELONGATION FACTOR ELL [M.musculus], Mus musculus, clone IMAGE:3583970, mRNA, partial cds, RIKEN cDNA 9430098E02 gene, eleven-nineteen lysine-rich leukemia gene, hypothetical protein FLJ22637	
669	23732 AA957653	ee, ff		Ena-vasodilator stimulated phosphoprotein, RNIB6, enabled homolog (Drosophila), expressed sequence AI528774, likely ortholog of mouse NPC derived proline rich protein 1, vasodilator-stimulated phosphoprotein	
352	6535 AA891746	l, m		endothelial differentiation-related factor 1, expressed sequence AA409425	

TABLE 3					Atty. Ref. 44921-5090-01-WO/2105485
SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1828	18694	NM_012931	j, k, gg		enhancer of filamentation 1 (cas-like docking; Crk-associated substrate related), expressed sequence AI385681, neural precursor cell expressed, developmentally down-regulated gene 9, signal transduction protein (SH3 containing), v-crk-associated tyrosine kinase substrate
1828	18695	NM_012931	j, k, y, z		enhancer of filamentation 1 (cas-like docking; Crk-associated substrate related), expressed sequence AI385681, neural precursor cell expressed, developmentally down-regulated gene 9, signal transduction protein (SH3 containing), v-crk-associated tyrosine kinase substrate
389	23194	AA892417	gg		ephrin A1, ephrin A1
2205	21509	NM_030847	h, l, n, o		epithelial membrane protein 3
1737	25365	NM_012519	u, v, ll		ER to nucleus signalling 1, ESTs, Weakly similar to A34366 Ca2+/calmodulin-dependent protein kinase (EC 2.7.1.123) II delta chain - rat [R.norvegicus], Mus musculus, clone MGC:18731 IMAGE:3980838, mRNA, complete cds, calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha, calcium/calmodulin-dependent protein kinase (CaM kinase) II delta, calcium/calmodulin-dependent protein kinase II, delta
1737	2735	NM_012519	r		ER to nucleus signalling 1, ESTs, Weakly similar to A34366 Ca2+/calmodulin-dependent protein kinase (EC 2.7.1.123) II delta chain - rat [R.norvegicus], Mus musculus, clone MGC:18731 IMAGE:3980838, mRNA, complete cds, calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha, calcium/calmodulin-dependent protein kinase (CaM kinase) II delta, calcium/calmodulin-dependent protein kinase II, delta
1737	2736	NM_012519	j, k		ER to nucleus signalling 1, ESTs, Weakly similar to A34366 Ca2+/calmodulin-dependent protein kinase (EC 2.7.1.123) II delta chain - rat [R.norvegicus], Mus musculus, clone MGC:18731 IMAGE:3980838, mRNA, complete cds, calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha, calcium/calmodulin-dependent protein kinase (CaM kinase) II delta, calcium/calmodulin-dependent protein kinase II, delta
2136	8596	NM_022538	ll		ER transmembrane protein Drl 42, RIKEN cDNA 1810019D05 gene, phosphatidic acid phosphatase 2a, phosphatidic acid phosphatase type 2A, phosphatidic acid phosphatase type 2B, phosphatidic acid phosphatase type 2C, phosphatidic acid phosphatase type 2c

TABLE 3				
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2136	8597 NM_022538	aa, bb, kk, ll		ER transmembrane protein D142, RIKEN cDNA 1810019D05 gene, phosphatidic acid phosphatase 2a, phosphatidic acid phosphatase type 2A, phosphatidic acid phosphatase type 2B, phosphatidic acid phosphatase type 2C, phosphatidic acid phosphatase type 2c
2071	16 NM_019386	cc, dd, kk		erythrocyte membrane protein band 4.2, transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase), transglutaminase 2, C polypeptide, transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase), transglutaminase 3, E polypeptide, transglutaminase 5, transglutaminase 2, EST AA437822, Homo sapiens, Similar to Phosphatidylinositol 4-kinase, catalytic, alpha polypeptide, clone MGC:31920 IMAGE:4565073, mRNA, complete cds, phosphatidylinositol 4-kinase, catalytic, alpha polypeptide, phosphatidylinositol 4-kinase, catalytic, beta polypeptide, phosphoinositide-3-kinase, catalytic, gamma polypeptide
2230	4684 NM_031083	b, l, m		EST X83352, ESTs, Weakly similar to intracellular chloride ion channel protein p64H1 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 5730531E12 gene, chloride intracellular channel 1, chloride intracellular channel 3, chloride intracellular channel 4 (mitochondrial), intracellular chloride ion channel protein p64H1
847	21796 AI012221	a, n, o, x, z, kk		EST, Highly similar to phosphatidylinositol 3-kinase, regulatory subunit, polypeptide [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to P55G_MOUSE PHOSPHATIDYLINOSITOL 3-KINASE REGULATORY GAMMA SUBUNIT (PI3-KINASE P85-GAMMA SUBUNIT) (PTDINS-3-KINASE P85-GAMMA) (P55PIK) [M.musculus], phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta), phosphoinositide-3-kinase, regulatory subunit, polypeptide 2 (p85 beta)
1119	111721 AI103391	ee, ff		EST, Highly similar to AR41_HUMAN ARP2/3 COMPLEX 41 KDa SUBUNIT [H.sapiens], actin related protein 2/3 complex, subunit 1B (41 kD), actin related protein 2/3 complex, subunit 1B (41 kDa)
2054	10015 NM_019289	n, o, jj, kk, ll		EST, Highly similar to AR41_HUMAN ARP2/3 COMPLEX 41 KDa SUBUNIT [H.sapiens], actin related protein 2/3 complex, subunit 1B (41 kD), actin related protein 2/3 complex, subunit 1B (41 kDa)
2054	10016 NM_019289	a, o, jj, kk, ll		

Atty. Ref. 44921-5090-01-WO/2105485

TABLE 3

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1722	24662 M59786	I, m, j, kk		EST, Highly similar to CCAC_RAI Voltage-dependent L-type calcium channel alpha-1C subunit (Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle) [RAT brain class C] (RBC) [R.norvegicus], ESTs, Highly similar to CCAC_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1C SUBUNIT [H.sapiens], ESTs, Highly similar to CCAD_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1D SUBUNIT [H.sapiens], Mus musculus putative ion channel protein CATSPER2 mRNA, complete cds, calcium channel, voltage-dependent, L type, alpha 1C subunit
1583	22339 AI236669	y, z, jj, kk		EST, Highly similar to DPOZ_HUMAN DNA POLYMERASE ZETA CATALYTIC SUBUNIT [H.sapiens], ESTs, Highly similar to DPOZ_HUMAN DNA POLYMERASE ZETA CATALYTIC SUBUNIT [H.sapiens], ESTs, Weakly similar to DPOZ_HUMAN DNA POLYMERASE ZETA CATALYTIC SUBUNIT [H.sapiens], REV3-like, catalytic subunit of DNA polymerase zeta (yeast), REV3-like, catalytic subunit of DNA polymerase zeta RAD54 like (S. cerevisiae), expressed sequence C77370, expressed sequence C77386
1894	16448 NM_013197	b, c, v		EST, Highly similar to HEMO_RAT 5-AMINOLEVULINIC ACID SYNTHASE, ERYTHROID-SPECIFIC, MITOCHONDRIAL PRECURSOR (DETA-AMINOLEVULINATE SYNTHASE) (DETAALA SYNTHETASE) (ALAS-E) [R.norvegicus], ESTs, Highly similar to SYHUA_E 5-aminolevulinic synthase [H.sapiens], aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia), aminolevulinic acid synthase 1, aminolevulinic acid synthase 2, erythroid, glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase), glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase)
764	15849 AI008074	r, ll		EST, Highly similar to HS9B MOUSE HEAT SHOCK PROTEIN HSP 90-BETA [M.musculus], EST, Weakly similar to HHMS84 heat shock protein 84 - mouse [M.musculus], ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to T46243 hypothetical protein DKF2p761K05'1.1 [H.sapiens], expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1

Atty. Ref. 44921-5090-01-WO2105485

TABLE 3

SEQ ID	GLGC ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
631	643 AA946439	d			EST, Highly similar to HSR14 histone H4 - rat [R.norvegicus], EST, Moderately similar to HSHU4 histone H4 [H.sapiens], H4 histone family, member E, Mus musculus 10 day old male pancreas cDNA, RIKEN full-length enriched library, clone:1810029H14;histone 4 protein, full insert sequence, Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310067E17;histone 4 protein, full insert sequence
2461	15468 NM_055982	j, w, x, jj, kk			EST, Highly similar to JC2234 ribosomal protein S15a, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RS1A_HUMAN 40S RIBOSOMAL PROTEIN S15A [H.sapiens], ribosomal protein S15a
2686	18031 X94551	f, r			EST, Highly similar to MYHA_RAT Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMHC-B) [R.norvegicus], ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMHC-B) [M.musculus], Homo sapiens cDNA: FLJ23324 fis, clone HEP12482, highly similar to HUMMMYOHCB Human nonmuscle myosin heavy chain-B (MYH10) mRNA, Myosin heavy chain 11, RIKEN cDNA 5730504C04 gene, laminin, gamma 1
1480	20845 A1231140	w, x			EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a
2671	20844 X65228	f, g, cc, dd			EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a

TABLE 3 Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					EST, Highly similar to RL8_HUMAN 60S ribosomal protein L8 [R.norvegicus], EST, Weakly similar to JN0923 ribosomal protein L8, cytosolic [H.sapiens], ESTs, Highly similar to R5RT18 ribosomal protein L8, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], ESTs, Moderately similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], expressed sequence AL024098, ribosomal protein L8
404	15876 AA892582	g, w, X			EST, Highly similar to S611_HUMAN Protein transport protein Sec61 alpha subunit isoform 1 (Sec61 alpha-1) [R.norvegicus], ESTs, Highly similar to S611_HUMAN Protein transport protein Sec61 alpha subunit isoform 1 (Sec61 alpha-1) [R.norvegicus], SEC61, alpha subunit (S. cerevisiae), SEC61, alpha subunit 2 (S. cerevisiae), Sec61 alpha form 2, protein transport protein SEC61 alpha subunit isoform 1
1481	21816 AI231217				EST, Highly similar to SNX9_HUMAN SORTING NEXIN 9 (SH3 AND PX DOMAIN-CONTAINING PROTEIN 1) (SDP1 PROTEIN) [H.sapiens], Homo sapiens cDNA FLJ11997 fts, clone HEMBB1001458, sorting nexin 9
671	23644 AA957808	gg			EST, Highly similar to STA3_RAT Signal transducer and activator of transcription 3 [R.norvegicus], signal transducer and activator of transcription 3, signal transducer and activator of transcription 3 (acute-phase response factor)
1786	343 NM_012747	n, o			EST, Highly similar to T14106 probable GTPase-activating protein SPA-1 - rat [R.norvegicus], ESTs, Moderately similar to T14106 probable GTPase-activating protein SPA-1 - rat [R.norvegicus], KIAA0440 protein, RIKEN cDNA 2610511M17 gene, Rap1, GTPase-activating protein 1, SPA-1 like protein p1294, expressed sequence AW213287
1416	14337 AI180414	b, c, l, m			EST, Highly similar to T14795 hypothetical protein DKFZp434E171.1 [H.sapiens]
699	15885 AA9655207	t			

TABLE 3					Atty. Ref. 44921-5090-01-WO/2105485
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
				EST, Moderately similar to HLA-B-associated transcript 7A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bat1 [Mus musculus] [M.musculus], EST, [R.norvegicus], ESTs, Weakly similar to IF41_HUMAN EUKARYOTIC INITIATION FACTOR 4A-1 [M.musculus], ESTs, Moderately similar to IF41_RAT PROBABLE ATP-DEPENDENT RNA HELICASE P47 [R.norvegicus], HLA-B-associated transcript 1A, RIKEN cDNA 241004K13 gene, RIKEN cDNA 260001H07 gene, RIKEN cDNA 2610307C23 gene, eukaryotic translation initiation factor 4A, isoform 1, eukaryotic translation initiation factor 4A1	
493	3822 AA900863	kk		EST, Moderately similar to HLA-B-associated transcript 7A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bat1 [Mus musculus] [M.musculus], EST, Weakly similar to HE47_RAT Probable ATP-dependent RNA helicase p47 [R.norvegicus], ESTs, Moderately similar to IF41_HUMAN EUKARYOTIC INITIATION FACTOR 4A-1 [M.musculus], ESTs, Weakly similar to HE47_RAT PROBABLE ATP-DEPENDENT RNA HELICASE P47 [R.norvegicus], HLA-B-associated transcript 1A, RIKEN cDNA 241004K13 gene, RIKEN cDNA 260001H07 gene, RIKEN cDNA 2610307C23 gene, eukaryotic translation initiation factor 4A, isoform 1, eukaryotic translation initiation factor 4A1	
1524	3823 AI233147	y, z		EST, Moderately similar to RIKEN cDNA 1700113O17 [Mus musculus] [M.musculus], H2A histone family, member L, Homo sapiens, clone MGC:21597 IMAGE:4511035, mRNA, complete cds, Mus musculus, similar to H2A histone family, member O, clone MGC:36202 IMAGE:5055276, mRNA, complete cds, expressed sequence R75370	
122	23115 AA801165	c		EST, Moderately similar to tripeptidylpeptidase II [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TRIPEPTIDYL-PEPTIDASE II [M.musculus], tripeptidyl peptidase II	
2257	15485 NM_031137	l, m		EST, Moderately similar to tripeptidylpeptidase II [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TRIPEPTIDYL-PEPTIDASE II [M.musculus], tripeptidyl peptidase II	
2257	15486 NM_031137	w, x		EST, Moderately similar to 0710252A histone H3 [H.sapiens], ESTs, Highly similar to [57019 H3 histone - rat [R.norvegicus], ESTs, Weakly similar to [57019 H3 histone - rat [R.norvegicus], H3 histone family, member l, Homo sapiens, histone gene complex 1, clone MGC:9629 IMAGE:3913365, mRNA, complete cds	
1186	14524 AI137974	d			

TABLE 3					
SEQ ID	GenBank ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
7	14980	AI103396	l, m		EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens]
7	14981	AI103396	e		EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens]
8	14983	AI179150	bb, cc, dd		EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens]
1129	16136	AI103983	p, q		EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus]
9	16130	J01435	bb		EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus]
2388	16135	NM_053516	aa, bb		

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2444	1570	NM_053857	s, t		EST, Moderately similar to A55258 insulin-stimulated protein:ISOTYPE=1 [H.sapiens], ESTs, Weakly similar to A55258 insulin-stimulated phosphoprotein PHAS-I - rat [R.norvegicus], RIKEN cDNA 1110004O12 gene, eukaryotic translation initiation factor 4E binding protein 1, eukaryotic translation initiation factor 4E binding protein 2, eukaryotic translation initiation factor 4E binding protein 3
2444	1571	NM_053857	e, t, kk		EST, Moderately similar to 2021415A Initiation factor 4E-binding protein:ISOTYPE=1 [H.sapiens], ESTs, Weakly similar to A55258 insulin-stimulated phosphoprotein PHAS-I - rat [R.norvegicus], RIKEN cDNA 1110004O12 gene, eukaryotic translation initiation factor 4E binding protein 1, eukaryotic translation initiation factor 4E binding protein 2, eukaryotic translation initiation factor 4E binding protein 3
2668	15587	X62482	w, x		EST, Moderately similar to 40S RIBOSOMAL PROTEIN S25 [R.norvegicus], EST, Moderately similar to R3RT25 ribosomal protein S25, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to 40S RIBOSOMAL PROTEIN S25 [R.norvegicus], EST, Weakly similar to JQ1347 ribosomal protein S25, cytosolic [H.sapiens], ESTs, Highly similar to JQ1347 ribosomal protein S25, cytosolic [H.sapiens], ribosomal protein S25
2534	14995	NM_133624	d		EST, Moderately similar to A Chain A, Structure Of Human Guanylate Binding Protein-1 In Nucleotide Free Form [H.sapiens], ESTs, Weakly similar to INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 [M.musculus], Homo sapiens mRNA; cDNA DKFZp564C2478 (from clone DKFZp564C2478), complete cds, guanylate binding protein 1, interferon-inducible, 67kD, guanylate binding protein 2, interferon-inducible, guanylate nucleotide binding protein 1, guanylate nucleotide binding protein 2
2259	15185	NM_031140	n, bb, ll		EST, Moderately similar to A25074 vimentin [H.sapiens], EST, Weakly similar to A25074 vimentin [H.sapiens], ESTs, Weakly similar to A25074 vimentin [H.sapiens], Mus musculus, similar to FLJ00074 protein, clone MGC:36549 IMAGE:4952810, mRNA, complete cds, desmuslin, intermediate filament-like MGC:2625, vimentin

TABLE 3								
SEQ ID	GLGC ID No.	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name				
				Human Homologous Sequence Cluster Title				
933	23950	AI031019	s,t		EST, Moderately similar to A55146 guanine nucleotide exchange factor eif-2B delta chain, long form - mouse [M.musculus], ESTs, Moderately similar to E2BA_HUMAN TRANSLATION INITIATION FACTOR EIF-2B ALPHA SUBUNIT [H.sapiens], ESTs, Weakly similar to 2112359A initiation factor eif-2B [Rattus norvegicus]			
1131	21927	AI104117	w,x		EST, Moderately similar to CL36_HUMAN LIM DOMAIN PROTEIN CLP-36 [H.sapiens], ESTs, Weakly similar to A55050 enigma [H.sapiens], ESTs, Weakly similar to PDL1_RAT PDZ and LIM domain protein 1 (LIM domain protein CLP-36) (C-terminal LIM domain protein 1) (Elfin) [R.norvegicus], Homo sapiens cDNA: FLJ23564 firs, clone LNG10773, Homo sapiens, Similar to enigma homolog (R. norvegicus), clone MGC:23807 IMAGE:4271274, mRNA, complete cds, LIM domain binding 3, PDZ and LIM domain 1 (elfin), PDZ and LIM domain 3, RIKEN cDNA 241002421 gene, expressed sequence AW278559, expressed sequence AW123232, paxillin, transforming growth factor beta 1 induced transcript 1			
746	3799	AF002281	p,u,v,ee, ff,kk,		EST, Moderately similar to CL36_HUMAN LIM DOMAIN PROTEIN CLP-36 [H.sapiens], ESTs, Weakly similar to PDL1_RAT PDZ and LIM domain protein 1 (LIM domain protein CLP-36) (C-terminal LIM domain protein 1) (Elfin) [R.norvegicus], Mus musculus, clone MGC:37634 IMAGE:4990983, mRNA, complete cds, PDZ and LIM domain 1 (elfin), PDZ and LIM domain 3, PDZ-LIM protein mystique, Rattus norvegicus LIM-domain protein LMP-1 mRNA, complete cds, alpha-actinin-2-associated LIM protein			
1291	7740	AI175011	r,hh		EST, Moderately similar to COF1_HUMAN COFILIN, NON-MUSCLE ISOFOR [H.sapiens], EST, Weakly similar to COF1_HUMAN COFILIN, NON-MUSCLE ISOFOR [H.sapiens], ESTs, Highly similar to DEST_HUMAN DESTRIN [H.sapiens], ESTs, Moderately similar to COF1_HUMAN COFILIN, NON-MUSCLE ISOFOR [H.sapiens], Homo sapiens cDNA FLJ30934 firs, clone FEBRA2007017, moderately similar to Homo sapiens TRAF4-associated factor 2 mRNA			

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2065	23225 NM_019360	c		EST, Moderately similar to COX1_MOUSE Cytochrome c oxidase polypeptide VIC-2 [R.norvegicus], ESTs, Moderately similar to COXH_HUMAN CYTOCHROME C OXIDASE POLYPEPTIDE VIC PRECURSOR [H.sapiens], cytochrome c oxidase subunit VIC, cytochrome c oxidase, subunit VIC
1812	20945 NM_012875	cc, dd		EST, Moderately similar to G02654 ribosomal protein L39 [H.sapiens], EST, Moderately similar to RL39_HUMAN 60S ribosomal protein L39 [R.norvegicus], ESTs, Highly similar to G02654 ribosomal protein L39 [H.sapiens], ESTs, Moderately similar to G02654 ribosomal protein L39 [H.sapiens], RIKEN cDNA 281045O16 gene, RIKEN cDNA 393040210 gene, RIKEN cDNA 4930517K11 gene, ribosomal protein L39, ribosomal protein L39-like
532	23173 AA925057	h, l, w, x		EST, Moderately similar to G02666 cysteine-rich protein 1 [H.sapiens], cysteine rich intestinal protein, cysteine-rich protein 1 (intestinal), expressed sequence AW743261
2668	17626 S78556	gg		EST, Moderately similar to GR75_HUMAN MITOCHONDRIAL STRESS-70 PROTEIN PRECURSOR [H.sapiens], ESTs, Highly similar to I56581 dnak-type molecular chaperone grp75 precursor - rat [R.norvegicus], ESTs, Moderately similar to GR75_HUMAN MITOCHONDRIAL STRESS-70 PROTEIN PRECURSOR [H.sapiens], heat shock 70kD protein 9B (mortalin-2), heat shock protein, 74 kDa, A
1901	1495 NM_013221	y, z, aa, bb		EST, Moderately similar to I58311 HMG-box containing protein 1 - rat [R.norvegicus], ESTs, Moderately similar to I58311 HMG-box containing protein 1 - rat [R.norvegicus], HMG-box containing protein 1, Mus musculus, Similar to protein kinase, lysine deficient 4, clone IMAGE:4973225, mRNA, partial cds, RIKEN cDNA 120000B10 gene, RIKEN cDNA 1700058O05 gene
2110	22412 NM_022392	p, q		EST, Moderately similar to IS11_RAT Insulin-induced protein 1 (Insulin-induced growth response protein CL-6) (Immediate-early protein CL-6) [R.norvegicus], RIKEN cDNA 290005311 gene, insulin induced gene 1, insulin induced protein 2
1127	4402 A1103874	r		EST, Moderately similar to JQ1522 peptidylprolyl isomerase [H.sapiens], ESTs, Moderately similar to 1613455A FK506 binding protein FKBP [H.sapiens], FK506 binding protein 3 (25kd), FK506 binding protein 7, FK506 binding protein 9 (63 kd), FK506 binding protein precursor, hypothetical protein FLJ20731

TABLE 3 Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1889	1314 NM_013181	f		EST, Moderately similar to KAP0_RAT CAMP-DEPENDENT PROTEIN KINASE TYPE I-ALPHA REGULATORY CHAIN [R.norvegicus], EST, Weakly similar to KAP1_MOUSE CAMP-DEPENDENT PROTEIN KINASE TYPE I-BETA REGULATORY CHAIN [M.musculus], protein kinase, cAMP dependent regulatory, type I beta, protein kinase, cAMP dependent regulatory, type I, alpha, protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) EST, Moderately similar to MAS2_HUMAN MANNAN-BINDING LECTIN SERINE PROTEASE 2 PRECURSOR [H.sapiens], ESTs, Moderately similar to CRAR_HUMAN COMPLEMENT-ACTIVATING COMPONENT OF RA-REACTIVE FACTOR PRECURSOR [H.sapiens], Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:19094 IMAGE:4196654, mRNA, complete cds, Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:28492 IMAGE:4166254, mRNA, complete cds, complement component 1, r subcomponent, complement component 1, s subcomponent, mannan-binding lectin serine protease 2
2562	18867 NM_138900	b, c		EST, Moderately similar to MDHM_RAT MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [R.norvegicus], EST, Weakly similar to DEMSMM malate dehydrogenase [M.musculus], malate dehydrogenase 2, NAD (mitochondrial), malate dehydrogenase, mitochondrial
2126	162 NM_022516	e, u, v		EST, Moderately similar to PLSB MOUSE GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE, MITOCHONDRIAL PRECURSOR [M.musculus], EST, Weakly similar to PLSB_RAT GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE, MITOCHONDRIAL PRECURSOR (GPAT) [R.norvegicus], ESTs, Weakly similar to GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE PRECURSOR [M.musculus], ESTs, Weakly similar to PLSB MOUSE GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE, MITOCHONDRIAL PRECURSOR [M.musculus], KIAA1560 protein, glycerol-3-phosphate acyltransferase, mitochondrial
1989	20281 NM_017274	gg		

TABLE 3							
SEQ ID	GenBank Acc. No.	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name			
1785	1478 NM_012744	n, o		Human Homologous Sequence Cluster Title EST, Moderately similar to PYC_RAT Pyruvate carboxylase, mitochondrial precursor (Pyruvic carboxylase) (PCB) [R.norvegicus], Mus musculus, Similar to Propionyl Coenzyme A carboxylase, alpha polypeptide, clone MGC:11973 IMAGE:3601148, mRNA, complete cds, pyruvate carboxylase, pyruvate decarboxylase			
1193	18206 AI145282	a, jj, kk		EST, Moderately similar to RBM8_HUMAN PUTATIVE RNA-BINDING PROTEIN 8 [H.sapiens], ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Moderately similar to RBM8_HUMAN PUTATIVE RNA-BINDING PROTEIN 8 [H.sapiens], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], Homo sapiens, clone MGC:22221 IMAGE:4687764, mRNA, complete cds, Mus musculus, Similar to fusion, derived from t(12;16) malignant liposarcoma, clone MGCG:189/7 IMAGE:3153860, mRNA, complete cds, Nucleolin, RNA binding motif protein 8A, TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68 kDa, eukaryotic translation initiation factor 3, subunit 4 (delta, 44 kDa), nucleolin, pigpen			
1852	17174 NM_013030	l, m		EST, Moderately similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], EST, Weakly similar to RL17 RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], EST, Weakly similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], ESTs, Highly similar to RL17 RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], ESTs, Weakly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600029O15:hexokinase 1, full insert sequence, ribosomal protein L17			
2662	17176 X60212	f		EST, Moderately similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], EST, Weakly similar to RL17 RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], EST, Weakly similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], ESTs, Highly similar to RL17 RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], ESTs, Weakly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600029O15:hexokinase 1, full insert sequence, ribosomal protein L17			

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
46	17212 AA799571				EST, Moderately similar to RL35_HUMAN_60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT_60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35
1716	17211 M34331	cc, dd			EST, Moderately similar to RL35_HUMAN_60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT_60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35
1716	28030 M34331	g			EST, Moderately similar to RL35_HUMAN_60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT_60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35
2318	16918 NM_031709	g, h, l, w, x			EST, Moderately similar to RS12_HUMAN_40S RIBOSOMAL PROTEIN S1 [H.sapiens], ESTs, Moderately similar to R3HUI2 ribosomal protein S12, cytosolic [H.sapiens], ESTs, Moderately similar to RS12 MOUSE_40S RIBOSOMAL PROTEIN S12 [M.musculus], ribosomal protein S12
2338	10269 NM_031838	h, l, w, x			EST, Moderately similar to RS2_MOUSE_40S RIBOSOMAL PROTEIN S2 [M.musculus], EST, Weakly similar to ribosomal protein S2; 40S ribosomal protein S2 [H.sapiens], EST, Weakly similar to RS2_HUMAN_40S RIBOSOMAL PROTEIN S2 [H.sapiens], EST, Weakly similar to RS2_RAT_40S RIBOSOMAL PROTEIN S2 [R.norvegicus], ESTs, Highly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein S2; repeat family 3 gene [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:4816496, mRNA, partial cds, ribosomal protein S2 [R.norvegicus], ribosomal protein S21
2244	19162 NM_031111	h, l			EST, Moderately similar to RS21_RAT_40S RIBOSOMAL PROTEIN S21

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. No.	GLGC ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					EST, Moderately similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], EST, Weakly similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], ESTs, Highly similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], ESTs, Moderately similar to RS3_HUMAN 40S RIBOSOMAL PROTEIN S [H.sapiens], ESTs, Weakly similar to RS3_MOUSE 40S RIBOSOMAL PROTEIN S3 [M.musculus], hypothetical protein FLJ23059, myo-inositol 1-phosphate synthase A1, ribosomal protein S3
788	10820A009411	g, h, l			EST, Moderately similar to S25111 alpha-2-macroglobulin receptor precursor - mouse [M.musculus], ESTs, Highly similar to S25111 alpha-2-macroglobulin receptor precursor - mouse [M.musculus], ESTs, Weakly similar to S25111 alpha-2-macroglobulin receptor precursor - mouse [M.musculus], low density lipoprotein receptor-related protein 1, low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)
1555	11644A1235282	n, o			EST, Moderately similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], EST, Weakly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Highly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Weakly similar to RL3 MOUSE 60S RIBOSOMAL PROTEIN L3 [M.musculus], RIKEN cDNA 1110057H16 gene, ribosomal protein L3, ribosomal protein L3-like
383	13647AA892367	w, x, cc, dd			EST, Moderately similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], EST, Weakly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Highly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Weakly similar to RL3 MOUSE 60S RIBOSOMAL PROTEIN L3 [M.musculus], RIKEN cDNA 1110057H16 gene, ribosomal protein L3, ribosomal protein L3-like
2667	13646X62166	n, o, w, x, kk, ll			EST, Moderately similar to S65792 ribosomal protein L9, cytosolic [H.sapiens], EST, Weakly similar to RL9_RAT 60S RIBOSOMAL PROTEIN L9 [R.norvegicus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L9 [M.musculus], RIKEN cDNA 493041B11 gene, ribosomal protein L9
520	18251AA924548	jj, kk			

Atty. Ref. 44921-5090-01-WO/2105485
TABLE 3

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				EST, Moderately similar to SMHU1E metallothionein 1E [H.sapiens], ESTs, Highly similar to SMHU1B metallothionein 1B [H.sapiens], H.sapiens mRNA for metallothionein isoform 1R, Homo sapiens metallothionein 1H-like protein mRNA, complete cds, Homo sapiens unknown mRNA, Homo sapiens, Similar to RNA helicase-related protein, clone MGC:9246 IMAGE:3892441, mRNA, complete cds, Mus musculus, metallothionein 2A, clone MGC:30400 IMAGE:4501155, mRNA, complete cds, metallothionein 1H, metallothionein 1X, metallothionein 2
1082	15192 AI101099	j, k		EST, Moderately similar to SMHU1E metallothionein 1E [H.sapiens], ESTs, Highly similar to SMHU1B metallothionein 1B [H.sapiens], H.sapiens mRNA for metallothionein isoform 1R, Homo sapiens metallothionein 1H-like protein mRNA, complete cds, Homo sapiens unknown mRNA, Homo sapiens, Similar to RNA helicase-related protein, clone MGC:9246 IMAGE:3892441, mRNA, complete cds, Mus musculus, metallothionein 2A, clone MGC:30400 IMAGE:4501155, mRNA, complete cds, metallothionein 1H, metallothionein 1X, metallothionein 2
1330	15191 AI176456	h, I, j, k, y, z, ee, ff, kk		LST1, weakly similar to carnitine/acylcarnitine translocase, mitochondrial carnitine/acylcarnitine translocase gene [Mus musculus] [M.musculus], ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MCAT_HUMAN MITOCHONDRIAL CARNITINE/ACYLCARNITINE CARRIER PROTEIN [H.sapiens], Homo sapiens, similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, clone MGC:35539 IMAGE:5200129, mRNA, complete cds, Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, expressed sequence AW491445, expressed sequence W51672, ornithine transporter 2, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15
2456	16546 NM_055965	hh		

TABLE 3					
SEQ ID	GenBank Acc. ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					EST, weakly similar to carnitine/acylcarnitine translocase, mitochondrial carnitine/acylcarnitine translocase gene [Mus musculus] [M.musculus], ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MCAT_HUMAN MITOCHONDRIAL CARNITINE/ACYLCARNITINE CARRIER PROTEIN [H.sapiens], Homo sapiens, similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, clone MGC:35539 IMAGE:5200129, mRNA, complete cds, Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, expressed sequence AW491445, expressed sequence W51672, ornithine transporter 2, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15
2456	16547	NM_053965	hh		EST, Weakly similar to cyclin-dependent kinase 4 [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to cyclin-dependent kinase 4 [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to CDK4 MOUSE CELL DIVISION PROTEIN KINASE 4 [M.musculus], cyclin-dependent kinase 4, cyclin-dependent kinase 6
2405	20902	NM_053593	r		EST, Weakly similar to histone H2A.F/Z variant [Homo sapiens] [H.sapiens], ESTs, Weakly similar to H2AZ_HUMAN HISTONE H2A [H.sapiens], H2A histone family, member Z, Homo sapiens cDNA FLJ32241 f1s, clone PLACE005231, RIKEN cDNA C53002L11 gene, histone H2A.F/Z variant
390	9254	AA892470	e		EST, Weakly similar to integral membrane protein 2B [Homo sapiens] [H.sapiens], integral membrane protein 2B
39	16942	AA799520	e		EST, Weakly similar to Kruppel associated box (KRAB) zinc finger 1 [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to ZINC FINGER PROTEIN 91 [H.sapiens], ESTs, Moderately similar to DNA-binding protein, zinc finger protein 253 [Homo sapiens] [H.sapiens], ESTs, Moderately similar to ZINC FINGER PROTEIN 91 [H.sapiens], Mus musculus, Similar to RIKEN cDNA 2610036F08 gene, clone MGC:28645 IMAGE:4224834, mRNA, complete cds, expressed sequence AI790734, expressed sequence AU021768, zinc finger protein 386 (Kruppel-like), zinc finger protein 91 (HPF7, HTF-10)
2072	904	NM_019620	p		

TABLE 3
Atty. Ref. 44921-5090-01-WO/2004/063334

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2645	20810X14181	f, g, w, x			EST, Weakly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens]
353	18269AA891769	e			EST, Weakly similar to SC65 synaptosomal complex protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to SC65 synaptosomal complex protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to SC65 synaptosomal complex protein, cartilage associated protein, growth suppressor 1, nucleolar autoantigen (55kD) similar to rat synaptosomal complex protein
14	6917AA012709	b			EST, Weakly similar to splicing factor 3b, subunit 1, 155 kDa [Mus musculus] [M.musculus], ESTs, Weakly similar to S3B1_HUMAN Splicing factor 3B subunit 1 (Spliceosome associated protein 155) (SAP 155) (SF3b155) (Pre-mRNA splicing factor SF3b 155 kDa subunit) [H.sapiens], splicing factor 3b, subunit 1, 155 kDa, splicing factor 3b, subunit 1, 155kD
1368	22691AI177967	r, aa, bb			EST, Weakly similar to transforming growth factor-beta (TGF-beta) masking protein large subunit [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to FIBRILLIN 2 PRECURSOR [M.musculus], ESTs, Weakly similar to A57293 latent transforming growth factor beta-binding protein 3 precursor - mouse [M.musculus], RIKEN cDNA 2310046A13 gene, latent transforming growth factor beta binding protein 1, transforming growth factor-beta (TGF-beta) masking protein large subunit
2487	18122NM_057208	h, l			EST, Weakly similar to tropomyosin 3, gamma [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus]
2458	15135NM_053971	h, l, n, o, w, x			EST, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ribosomal protein L6
2458	15136NM_053971	h, l, w, ii			EST, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ribosomal protein L6
200	22026AA850060	n, o			EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene

TABLE 3

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
200	22028 AA850060	cc, dd			EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene
278	16029 AA874803	j, k			EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene
278	16030 AA874803	j, k			EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene
5	22030 A011177	h, l			EST, Weakly similar to A223940 keratin, 67K type II cytoskeletal [H.sapiens], EST, Weakly similar to FORMIN 4 [M.musculus], ESTs, Weakly similar to FMN2_MOUSE Formin 2 [M.musculus], ESTs, Weakly similar to FORMIN 4 [M.musculus], ESTs, Weakly similar to LORI MOUSE LORICRIN [M.musculus], RIKEN cDNA A330103N21 gene, expressed sequence A85484 3, expressed sequence AW742646, formin 2, hypothetical protein BC012775, hypothetical protein FLJ20584, similar to Wiskott-Aldrich syndrome protein interacting protein, uridine- cytidine kinase 1
2591	1760 NM_147211	d, kk			EST, Weakly similar to A32852 membrane alanyl aminopeptidase (EC 3.4.11.2) rat [R.norvegicus], ESTs, Weakly similar to AMPN MOUSE AMINOPEPTIDASE N [M.musculus], RIKEN cDNA 201011101 gene, RIKEN cDNA 4833403 15 gene, alanyl (membrane) aminopeptidase, alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150) EST, Weakly similar to A33880 syndecan 2 [H.sapiens], Mus musculus, clone IMAGE:4983756, mRNA, partial cds, syndecan 2, syndecan 2 (heparan sulfate proteoglycan 1, cell surface-associated, fibroglycan)
2215	1540 NM_031012	n			EST, Weakly similar to A38712 fibrillarin [H.sapiens], EST, Weakly similar to FBRIL MOUSE FIBRILLARIN [M.musculus], ESTs, Moderately similar to FIBRILLARIN [M.musculus], expressed sequence AL02265, fibrillarin
1863	1529 NM_013082	hh			EST, Weakly similar to A38712 fibrillarin [H.sapiens], ESTs, Moderately similar to FIBRILLARIN [M.musculus], fibrillarin
646	17540 AA955914	a			
1248	22432 AI171263	a, z			

TABLE 3 Affy Ref. 44921-5090-01-WO2105485				
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2197	13633 NM_024403	e, p, q, y, z		EST, Weakly similar to A45377 transcription factor ATF4 [H.sapiens], ESTs, Highly similar to A45377 transcription factor ATF4 [H.sapiens], activating transcription factor 4, activating transcription factor 4 (tax-responsive enhancer element B67), activating transcription factor 5
2197	13634 NM_024403	a, j, k, p, q, y, z		EST, Weakly similar to A45377 transcription factor ATF4 [H.sapiens], ESTs, Highly similar to A45377 transcription factor ATF4 [H.sapiens], activating transcription factor 4, activating transcription factor 4 (tax-responsive enhancer element B67), activating transcription factor 5
2407	2103 NM_053597	g		EST, Weakly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ESTs, Highly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ribosomal protein S27 (metallopanstimulin 1), ribosomal protein S27-like PRECURSOR [H.sapiens], RIKEN cDNA 4833409F13 gene, serine protease inhibitor 2-2
2278	3292 NM_031531	a, j, k		EST, Weakly similar to AACT_HUMAN ALPHAF-1-ANTICHYMOTRYPsin PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2
1719	17145 M38566	gg		EST, Weakly similar to AACT_HUMAN ALPHAF-1-ANTICHYMOTRYPsin PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2
2689	17146 Y07534	aa		EST, Weakly similar to B36298 proline-rich protein PRB3S [H.sapiens], EST, Weakly similar to CGHU3B collagen alpha 3(V) chain precursor, long splice form [H.sapiens], EST, Weakly similar to D40750 proline-rich protein PRB1/2S [H.sapiens], EST, Weakly similar to PIHUB6 salivary proline-rich protein precursor PRB1 [H.sapiens], EST, Weakly similar to FRP1_HUMAN SALIVARY PROLINE-RICH PROTEIN PRECURSOR [H.sapiens], Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310039h21:SRY-box containing gene 7, full insert sequence, SRY (sex determining region Y)-box 17, SRY (sex determining region Y)-box 18, SRY (sex determining region Y)-box 7, SRY-box containing gene 17
932	22614 A1031004	t		

TABLE 3

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				EST, weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Highly similar to ubiquitin conjugating enzyme [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to A41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to UBC2_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD [M.musculus], RIKEN cDNA 2610301N02 gene, expressed sequence A1327276, ubiquitin-conjugating enzyme E2A (RAD6 homolog), ubiquitin-conjugating enzyme E2A, RAD6 homolog (S.cerevisiae), ubiquitin-conjugating enzyme E2B (RAD6 homolog), ubiquitin-conjugating enzyme E2B, RAD6 homology (S.cerevisiae), ubiquitin-conjugating enzyme E2C
54	17380 AA799612	W,X		EST, weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Highly similar to ubiquitin conjugating enzyme [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to A41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to UBC2_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD [M.musculus], RIKEN cDNA 2610301N02 gene, expressed sequence A1327276, ubiquitin-conjugating enzyme E2A (RAD6 homolog), ubiquitin-conjugating enzyme E2A, RAD6 homolog (S.cerevisiae), ubiquitin-conjugating enzyme E2B (RAD6 homolog), ubiquitin-conjugating enzyme E2B, RAD6 homology (S.cerevisiae), ubiquitin-conjugating enzyme E2C
2258	17379 NM_031138	r,W,X		EST, weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Highly similar to A41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to UBC2_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD [M.musculus], RIKEN cDNA 2610301N02 gene, expressed sequence A1327276, ubiquitin-conjugating enzyme, ubiquitin-conjugating enzyme E2A (RAD6 homolog), ubiquitin-conjugating enzyme E2A, RAD6 homolog (S.cerevisiae), ubiquitin-conjugating enzyme E2B (RAD6 homolog), ubiquitin-conjugating enzyme E2B, RAD6 homology (S.cerevisiae), ubiquitin-conjugating enzyme E2C
648	23357 AA956114	cc,dd		

TABLE 3
SEQ ID **GenBank Acc. No.** **Model Code** **Human Homologous Known Gene Name** **Human Homologous Sequence Cluster Title**

885	4253 AI013566	jj, kk		EST, Weakly similar to beta-fibrinogen precursor [H.sapiens], ESTs, Moderately similar to ANI2_MOUSE_Angiopoietin-related protein 2 precursor (Angiopoietin-like 2) [M.musculus], <i>Mus musculus</i> , Similar to angiopoietin-related protein 5, clone MGC:32467 IMAGE:5049765, mRNA, complete cds, <i>Mus musculus</i> , Similar to fibrinogen-like 1, clone MGC:37822 IMAGE:5098805, mRNA, complete cds, <i>Rattus norvegicus</i> Sprague-Dawley fibrinogen B beta chain mRNA, complete cds, angiopoietin-like 2, angiopoietin-related protein 5, expressed sequence AI593246, hypothetical protein FLJ1286
1461	22484 AI230591			EST, Weakly similar to CATM_HUMAN_CATHEPSIN L2 PRECURSOR (CATHEPSIN V) [CATHEPSIN U] [H.sapiens], EST, Weakly similar to TES1_RAT TESTIN 1/2 PRECURSOR (CMB-22/CMB-23) [R.norvegicus], RIKEN cDNA 4930486L24 gene, <i>Rattus norvegicus</i> testin mRNA, complete cds, cytotoxic T lymphocyte-associated protein 2 alpha
983	2662 AI045686	e		EST, Weakly similar to CBP MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Highly similar to BRD4_HUMAN_BROMODOMAIN-CONTAINING PROTEIN 4 (HUNK1 PROTEIN) [H.sapiens], ESTs, Highly similar to CBP MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Moderately similar to CBP MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Weakly similar to CBP MOUSE CREB-BINDING PROTEIN [M.musculus], bromodomain-containing 4
791	9746 AI009555	r		EST, Weakly similar to DYJ2_HUMAN_DYNEIN LIGHT INTERMEDIATE CHAIN 2, CYTOSOLIC [H.sapiens], LIC-2 dynein light intermediate chain 53/55, RIKEN cDNA 1110053F02 gene, dynein light chain-A, dynein, cytoplasmic, light intermediate polypeptide 2, expressed sequence AA409702
2219	16210 NM_031026	l, m		EST, Weakly similar to DYJ2_HUMAN_DYNEIN LIGHT INTERMEDIATE CHAIN 2, CYTOSOLIC [H.sapiens], RIKEN cDNA 1110053F02 gene, <i>Rattus norvegicus</i> dynein light intermediate chain 1 mRNA, complete cds, dynein light chain-A, dynein, cytoplasmic, light intermediate polypeptide 2, expressed sequence AA409702
2341	17734 NM_031970	a, o, q, ee, ff, kk		EST, Weakly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHHU27 heat shock protein 27 [H.sapiens], heat shock 27KD protein 1, hypothetical protein MGC10974

TABLE 3				
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2341	17735 NM_031970	a, z, ee, ff, kk		EST, Weakly similar to HHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHU27 heat shock protein 27 [H.sapiens], heat shock 27kD protein 1, hypothetical protein MGC10974
2341	17736 NM_031970	a, l, o, q, ee, ff, kk		EST, Weakly similar to HHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHU27 heat shock protein 27 [H.sapiens], heat shock 27kD protein 1, hypothetical protein MGC10974
2433	15615 NM_055800	h, l		EST, Weakly similar to Human Thioredoxin [H.sapiens], RIKEN cDNA 4930429J24 gene, thioredoxin, thioredoxin 1
2093	17100 NM_022179	h, l, w, x, dd		EST, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], ESTs, Moderately similar to HXK3_HUMAN HEXOKINASE TYPE III [H.sapiens], ESTs, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], hexokinase 2, hexokinase 3 (white cell)
2114	23705 NM_022396	e, j, k, ii		EST, Weakly similar to I39159 GTP-binding regulatory protein gamma-11 chain [H.sapiens], ESTs, Moderately similar to GBGB_HUMAN Guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-11 subunit [R.norvegicus], ESTs, Weakly similar to GBGB_HUMAN Guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-11 subunit [R.norvegicus], RIKEN cDNA 0610037B21 gene, guanine nucleotide binding protein (G protein), gamma 1 subunit, guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1, guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2, guanine nucleotide binding protein 11
2013	20232 NM_017364	u, v		EST, Weakly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to OZF_MOUSE ZINC FINGER PROTEIN OZF [M.musculus], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Mus musculus, clone MGC:37070 IMAGE:4951074, mRNA, complete cds, RIKEN cDNA 2810039B14 gene, RIKEN cDNA 2810054M15 gene, zinc finger protein 146, zinc finger protein 260, zinc finger protein 63

TABLE 3				
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1573	22212 AI236294	kk		EST, Weakly similar to IF6_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 6 [H.sapiens], ESTs, Highly similar to IF6_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 6 [H.sapiens], Mus musculus 10 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone:6530402L05; integrin beta 4 binding protein, full insert sequence, integrin beta 4 binding protein
1181	7414 AI137586	a		EST, Weakly similar to IMB3_HUMAN IMPORTIN BETA-3 SUBUNIT [H.sapiens], Homo sapiens cDNA FLJ12978 fs, clone NT2RP2006321, RAN binding protein 6, importin 4
1591	112028 AI237586	kk		EST, Weakly similar to JC1241 beta-interferon-induced protein - rat [R.norvegicus], ESTs, Moderately similar to JC1241 beta-interferon-induced protein - rat [R.norvegicus], Mus musculus, clone MGC:31632 IMAGE:4511454, mRNA, complete cds, RIKEN cDNA 1110036C17 gene, interferon induced transmembrane protein 2 (1-8D)
588	19480 AA944442	r, bb		EST, Weakly similar to JC2324 LIM protein [H.sapiens], ESTs, Weakly similar to JG0164 LIM protein, FHL4 - mouse [M.musculus], Homo sapiens cDNA FLJ13238 fs, clone OVARC1000440, Homo sapiens cDNA FLJ31627 fs, clone NT2R2003338, RIKEN cDNA 2410002J21 gene, activator of cAMP-responsive element modulator (CREM) in testis, expressed sequence AV481106, expressed sequence AV278559, expressed sequence AW123232, hypothetical protein FLJ10044, paxillin, testis derived transcript (3 LIM domains), transforming growth factor beta 1 induced transcript 1
58	20092 AA799637	r, ll		EST, Weakly similar to JC2324 LIM protein [H.sapiens], Homo sapiens cDNA FLJ13238 fs, clone OVARC1000440, RIKEN cDNA 2410002J21 gene, expressed sequence AV278559, expressed sequence AW123232, hypothetical protein FLJ10044, paxillin, transforming growth factor beta 1 induced transcript 1
2228	25600 NM_031077	b, l, m		EST, Weakly similar to JC5111 cyclin-dependent kinase-related protein 1b - rat [R.norvegicus], EST, Weakly similar to S10889 proline-rich protein [H.sapiens], ESTs, Highly similar to KPT1 MOUSE SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 [M.musculus], ESTs, Weakly similar to KPT1 MOUSE SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 [M.musculus], PCTAIRE protein kinase 1, PCTAIRE-motif protein kinase 1

TABLE 3					Atty. Ref. 44921-5090-01-WO/2102485
SEQ. ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2228	6349 NM_031077	ee, ff		EST, Weakly similar to JC5111 cyclin-dependent kinase-related protein 1b - rat [R.norvegicus], EST, Weakly similar to S10889 proline-rich protein [H.sapiens], ESTs, Highly similar to KPT1 MOUSE SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 [M.musculus], ESTs, Weakly similar to KPT1 MOUSE SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 [M.musculus], PCTAIRE protein kinase 1, PCTAIRE-motif protein kinase 1	
2575	21818 NM_139342	bb		EST, Weakly similar to JC5399 dual leucine zipper kinase (EC 2.7.-.-) - rat [R.norvegicus], ESTs, Highly similar to A55318 serine/threonine protein kinase [M.musculus], ESTs, Weakly similar to JC5399 dual leucine zipper kinase (EC 2.7.-.-) - rat [R.norvegicus], ankyrin repeat domain 3, expressed sequence C81508, receptor (TNFRSF)-interacting serine-threonine kinase 1	
1881	24867 NM_013155	kk		EST, Weakly similar to LDVR_RAT Very low-density lipoprotein receptor precursor (VLDL receptor) [R.norvegicus], ESTs, Weakly similar to LDVR MOUSE VERY LOW-DENSITY LIPOPROTEIN RECEPTOR PRECURSOR [M.musculus], ESTs, Weakly similar to LDVR_RAT Very low-density lipoprotein receptor precursor (VLDL receptor) [R.norvegicus], low density lipoprotein receptor-related protein 8, apolipoprotein e receptor, very low density lipoprotein receptor	
316	24470 AA875523	aa, bb		EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	
316	24471 AA875523	ii		EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	
316	24472 AA875523	ii		EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	
464	24473 AA894200	b		EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	
2606	24469 S77858			EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	

TABLE 3 Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. ID	GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2633	17296 U76206	jj, Kr			EST, Weakly similar to P2YX_RAT UDP-glucose receptor (G protein-coupled receptor GPR105) (VTR 15-20) [R.norvegicus], ESTs, Weakly similar to GPRY_MOUSE PROBABLE G PROTEIN-COUPLED RECEPTOR GPR34 [M.musculus], ESTs, Weakly similar to P2YX_RAT UDP-glucose receptor (G protein-coupled receptor GPR105) (VTR 15-20) [R.norvegicus], G protein-coupled receptor 105, G protein-coupled receptor 34, G protein-coupled receptor 86, G protein-coupled receptor 87, Purinergic receptor P2Y, G protein-coupled, 12, platelet activating receptor homolog
2123	2109 NM_022511	n, q, w, x			EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus], EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], Mk1 protein, profilin 1
2357	2577 NM_033236	r			EST, Weakly similar to PRST7 MOUSE 26S PROTEASE REGULATORY SUBUNIT 7 [M.musculus], RIKEN cDNA 2300001E01 gene, proteasome (prosome, macropain) 26S subunit, ATPase 2, syntaxin 8
2263	1291 NM_031149	c, r			EST, Weakly similar to PRS8 MOUSE 26S PROTEASE REGULATORY SUBUNIT 8 [M.musculus], Homo sapiens mRNA; cDNA DKFZp586l1420 (from clone DKFZp586l1420), partial cds, YME1-like 1 (S. cerevisiae), hypothetical protein DKFZp667C165, protease (prosome, macropain) 26S subunit, ATPase 5, proteasome (prosome, macropain) 26S subunit, ATPase, 5, proteasome (prosome, macropain) 26S subunit, ATPase, 6
606	24521 AA945636	g, h, l			EST, Weakly similar to R6HJUP1 acidic ribosomal protein P1, cytosolic [H.sapiens], ESTs, Highly similar to R6HJUP1 acidic ribosomal protein P1, cytosolic [H.sapiens], ESTs, Weakly similar to RLA1 MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P1 [M.musculus], expressed sequence AI255364, ribosomal protein, large, P1
2232	15201 NM_031093	h, l, w			EST, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], ESTs, Weakly similar to Crystal Structure Of The Small G Protein Rap2a With Gdp (SUB 1-167) [H.sapiens], ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], v-ral simian leukemia viral oncogene homolog A (ras related)

TABLE 3

Atty. Ref. 44921-5090-01-WO2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2232	15202	NM_031093	f, w, x, cc, dd		EST, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], ESTs, Weakly similar to Crystal Structure Of The Small G Protein Rap2a With Gdp {SUB 1-167 [H.sapiens]}, ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], v-ral simian leukemia viral oncogene homolog A (ras related)
2232	15203	NM_031093	aa, bb		EST, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], ESTs, Weakly similar to Crystal Structure Of The Small G Protein Rap2a With Gdp {SUB 1-167 [H.sapiens]}, ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], v-ral simian leukemia viral oncogene homolog A (ras related)
1200	11337	AI145968	l, m		EST, Weakly similar to RB6K MOUSE RABKINESIN-6 [M.musculus], RAB6 interacting, kinesin-like (rabkinesin6), Rab6, kinesin-like
2654	18606	X55504	g, w, x		EST, Weakly similar to RL12_HUMAN 60S RIBOSOMAL PROTEIN L12 [H.sapiens], ESTs, Weakly similar to RL12_HUMAN 60S RIBOSOMAL PROTEIN L12 [H.sapiens], ribosomal protein L12
2647	19244	X15013	f, g, w, x		EST, Weakly similar to RL7A MOUSE 60S RIBOSOMAL PROTEIN L7A [M.musculus], RIKEN cDNA 4632404N19 gene, ribosomal protein L7a
2243	10878	NM_031110	g, j, k		EST, Weakly similar to RS11_HUMAN 40S ribosomal protein S11 [R.norvegicus], Homo sapiens mRNA; cDNA DKFZp434A0326 (from clone DKFZp434A0326), RAD21 homolog (S. pombe), ribosomal protein S11
2362	24419	NM_033539	jj, kk		EST, Weakly similar to S21055 translation elongation factor eEF-1 alpha chain - rat [R.norvegicus], ESTs, Highly similar to EFH11 translation elongation factor eEF-1 alpha-1 chain [H.sapiens], ESTs, Weakly similar to S21055 translation elongation factor eEF-1 alpha chain - rat [R.norvegicus], G1 to S phase transition 1, G1 to phase transition 1, G1 to phase transition 2, eukaryotic translation elongation factor 1 alpha 1
1422	13673	AI227763	gg		EST, Weakly similar to S26650 DNA-binding protein 5 [H.sapiens], ESTs, Weakly similar to S26650 DNA-binding protein 5 [H.sapiens], hypothetical protein dJ465N24.2.1, protamine 1
1099	16596	AI102486	ee, ff, kk		EST, Weakly similar to S37583 RING finger protein rfp - mouse [M.musculus], RIKEN cDNA 1810012B10 gene, expressed sequence AW538890, hypothetical gene MGCG1127

TABLE 3
SEQ **GLGC ID** **GenBank Acc.** **Model Code** **Human Homologous Known Gene Name** **Human Homologous Sequence Cluster Title**

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1253	16599 A1171366	ee, ff, jj, kk			EST, Weakly similar to S37583 RING finger protein fp - mouse [M.musculus], RIKEN cDNA 1810012B10 gene, expressed sequence AW538890, hypothetical gene MGC1127
433	21652 AA8833267	u, v			EST, Weakly similar to S46992 protein p130 - rat [R.norvegicus], ESTs, Weakly similar to A59300 myosin-ff - mouse [M.musculus], ESTs, Weakly similar to CASL MOUSE ENHANCER OF FILMEMENTATION 1 [M.musculus], RIKEN cDNA 4631403P03 gene, RIKEN cDNA 9130023P14 gene, RIKEN cDNA C330006B10 gene, embryonal Fyn-associated substrate, myosin ff, peroxisomal biogenesis factor 13, proline-serine-threonine phosphatase interacting protein 1
1213	11550 A1169591	r			EST, Weakly similar to S57447 HPBRII-7 protein [H.sapiens], cleavage and polyadenylation specific factor 6, 68kD subunit, hypothetical protein FLJ12529
1100	11953 A1102505	hh			EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIa, heme-regulated initiation factor 2-alpha kinase
1100	11954 A1102505	hh			EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIa, heme-regulated initiation factor 2-alpha kinase
1703	11955 L48209	hh			EST, Weakly similar to secreted cyclophilin-like protein [H.sapiens], EST s, Weakly similar to cyclophilin B [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 3732410E19 gene, peptidylprolyl isomerase (cyclophilin)-like 1, peptidylprolyl isomerase B, peptidylprolyl isomerase B (cyclophilin B), peptidylprolyl isomerase C, peptidylprolyl isomerase C (cyclophilin C)
2135	8097 NM_022536	h, l			EST, Weakly similar to secreted cyclophilin-like protein [H.sapiens], EST s, Weakly similar to cyclophilin B [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 3732410E19 gene, peptidylprolyl isomerase (cyclophilin)-like 1, peptidylprolyl isomerase B, peptidylprolyl isomerase B (cyclophilin B), peptidylprolyl isomerase C, peptidylprolyl isomerase C (cyclophilin C)
2135	8098 NM_022536	ii			

TABLE 3				
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1376	6502 AI178283	r		EST, Weakly similar to SYFB_MOUSE PHENYLALANYL-tRNA SYNTHETASE BETA CHAIN (PHENYLALANINE-tRNA LIGASE BETA CHAIN) (PHERS) [M.musculus], Homo sapiens cDNA FLJ30727 fis, clone FEBRA2000007, highly similar to Homo sapiens putative phenylalanine-tRNA synthetase beta-subunit mRNA, KIAA1185 protein, RIKEN cDNA 2900010D03 gene, expressed sequence C76708, phenylalanine-tRNA synthetase-like, phenylalanine-tRNA synthetase beta-subunit
738	2526 AA998979	u, v		EST, Weakly similar to T00051 hypothetical protein KIAA0404 [H.sapiens], Homo sapiens, clone IMAGE:4657824, mRNA, KIAA0404 protein, hypothetical protein FLJ10242
861	23025 AI012621	j, k		EST, Weakly similar to T00357 hypothetical protein KIAA0685 [H.sapiens], Homo sapiens mRNA for KIAA1558 protein, partial cds, KIAA0685 gene product, KIAA1115 protein, chromosome 11 open reading frame 23
832	24022 AI011474	a, ee, ff, ll		EST, Weakly similar to T00637 hypothetical protein H_GS541B18.1 [H.sapiens], golgi phosphoprotein 2
436	22355 AA893338	b, u, v		EST, Weakly similar to T12456 hypothetical protein DKFZp564M2423.1 [H.sapiens], ESTs, Highly similar to T12456 hypothetical protein DKFZp564M2423.1 [H.sapiens], PAI-1 mRNA-binding protein, RIKEN cDNA 1200009K13 gene, intracellular hyaluronan-binding protein
968	7992 AI044845	cc, dd, gg		EST, Weakly similar to T12482 hypothetical protein DKFZp564P0662.1 [H.sapiens], ESTs, Weakly similar to T12482 hypothetical protein DKFZp564P0662.1 [H.sapiens], Homo sapiens cDNA FLJ32000 fis, clone NT2RP7009370, weakly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE PKWA (EC 2.7.1.-), echinoderm microtubule associated protein like 2
1373	6059 AI178245	c		EST, Weakly similar to T13963 formin related protein, lymphocyte specific - mouse [M.musculus], ESTs, Highly similar to T13963 formin related protein, lymphocyte specific - mouse [M.musculus], ESTs, Moderately similar to T13963 formin related protein, lymphocyte specific - mouse [M.musculus], Homo sapiens mRNA; cDNA DKFZp762B245 (from clone DKFZp762B245); partial cds, formin homology 2 domain containing 1, formin-like

TABLE 3

TABLE 3					Atty. Ref. 44921-5090-01-WO/2105485
SEQ ID.	GenBank Acc. GL/GC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
28	2882 AA799423			EST, Weakly similar to T42637 hypothetical protein 162K - mouse [M.musculus], ESTs, Highly similar to MYH9_RAT Myosin heavy chain, nonmuscle type A (Cellular myosin heavy chain, type A) (Nonmuscle myosin heavy chain-A) (NMHC-A) [R.norvegicus], ESTs, Weakly similar to MYH9_RAT Myosin heavy chain, nonmuscle type A (Cellular myosin heavy chain, type A) (Nonmuscle myosin heavy chain-A) (NMHC-A) [R.norvegicus] IMAGE-349214, mRNA, complete cds, Myosin, heavy polypeptide 9, non-muscle, RIKEN cDNA 3110050K21 gene, eukaryotic translation initiation factor 3, myosin heavy chain IX, myosin, heavy polypeptide 9, non-muscle, nasopharyngeal epithelium specific protein 1	
751	2881 AF056034	b, d, u, v		EST, Weakly similar to T42637 hypothetical protein 162K - mouse [M.musculus], ESTs, Highly similar to MYH9_RAT Myosin heavy chain, nonmuscle type A (Cellular myosin heavy chain, type A) (Nonmuscle myosin heavy chain-A) (NMHC-A) [R.norvegicus], ESTs, Weakly similar to MYH9_RAT Myosin heavy chain, nonmuscle type A (Cellular myosin heavy chain, type A) (Nonmuscle myosin heavy chain-A) (NMHC-A) [R.norvegicus] IMAGE-349214, mRNA, complete cds, Myosin, heavy polypeptide 9, non-muscle, RIKEN cDNA 3110050K21 gene, eukaryotic translation initiation factor 3, myosin heavy chain IX, myosin, heavy polypeptide 9, non-muscle, nasopharyngeal epithelium specific protein 1	
2468	16566 NM_054004	hh		EST, Weakly similar to T42735 TBP-interacting protein TIP120 - rat [R.norvegicus], Homo sapiens cDNA FLJ14877 fis, clone PLACE1003044, TBP-interacting protein, expressed sequence AI195005	
1686	17159 J00797	w, X, aa, bb, hh, ll		EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous	
2105	17158 NM_022298	f, s, t		EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous	
2105	17160 NM_022298	b, l, m, aa		EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7,	

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2105	17161 NM_022298	a, z, kk		EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous
265	13974 AA860030	n, o, w, x, ll		EST, Weakly similar to TBB5 MOUSE TUBULIN BETA-5 CHAIN [M.musculus], RIKEN cDNA 2310061K05 gene, RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930542G03 gene, tubulin, beta 5, tubulin, beta polypeptide, tubulin, beta, 2, tubulin, beta, 5
1444	13977 AI229707	r		EST, Weakly similar to TBB5 MOUSE TUBULIN BETA-5 CHAIN [M.musculus], RIKEN cDNA 2310061K05 gene, RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930542G03 gene, tubulin, beta 5, tubulin, beta polypeptide, tubulin, beta, 2, tubulin, beta, 5
1046	9604 AI071230	ee, ff, gg		EST, Weakly similar to TESTIN 2 [M.musculus], Homo sapiens cDNA FLJ31627 fis, clone NT2R1200338, Homo sapiens cDNA FLJ31929 fis, clone NT2RP7006160
2266	15273 NM_031237	aa, bb		EST, Weakly similar to UBSC_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 3 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 3) [R.norvegicus], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens EST from clone 37208, full insert, RIKEN cDNA 110001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)
1292	17679 AI175025	hh		EST, Weakly similar to UBSC_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 3 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 3) [R.norvegicus], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens EST from clone 37208, full insert, RIKEN cDNA 110001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)
1174	15969 AI137302	cc, dd		EST, Weakly similar to WS3_HUMAN WS-3 PROTEIN [H.sapiens], novel RGD-containing protein
				EST, Weakly similar to ZF37_RAT Zinc finger protein 37 (Zfp-37) [R.norvegicus], ESTs, Weakly similar to ZF29 MOUSE ZINC FINGER PROTEIN 29 [M.musculus], ESTs, Weakly similar to ZF93 MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], expressed sequence AW557864, zinc finger protein 29, zinc finger protein 37, zinc finger protein 37 homolog (mouse)

TABLE 3

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2234	1295 NM_031097	j, k, r		ESTs, Highly similar to aminopeptidase B [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to aminopeptidase B, clone MGC:29229 IMAGE:5041005, mRNA, complete cds, RIKEN cDNA 201011101 gene, expressed sequence AI894167, hypothetical protein FLJ14675, leukotriene A4 hydrolase
1302	18507 AI175551	h, l, w, x, kk		ESTs, Highly similar to eukaryotic translation elongation factor 1 beta 2, eukaryotic translation elongation factor 1 beta 1 [Homo sapiens] [H.sapiens], eukaryotic translation elongation factor 1 beta 2
2548	5283 NM_138535	gg		ESTs, Highly similar to Glutamate receptor interacting protein [Rattus norvegicus] [R.norvegicus], Glutamate receptor interacting protein, RIKEN cDNA 4931400F03 gene, channel-interacting PDZ domain protein, multiple PDZ domain protein, syntrophin, alpha 1 (dystrophin-associated protein A1, 59kD, acidic component)
38	15303 AA799518	w, x		ESTs, Highly similar to hypothetical protein FLJ13725, KIAA1930 protein [Homo sapiens] [H.sapiens]
43	17599 AA799539	c		ESTs, Highly similar to lymphocyte activation-associated protein [Homo sapiens] [H.sapiens], ESTs, Weakly similar to KEAP_RAT Kelch-like ECH-associated protein 1 (Cytosolic inhibitor of Nrf2) (Nrf2) [R.norvegicus], Kelch-like ECH-associated protein 1, Mus musculus, Similar to KIAA0952 protein, clone MGC:25591 IMAGE:4011475, mRNA, complete cds, RIKEN cDNA 2700038B03 gene, kelch-like ECH-associated protein 1
2402	21170 NM_055585	s, t		ESTs, Highly similar to MAP-kinase activating death domain; Rab3 GDP/GTP exchange protein [Rattus norvegicus] [R.norvegicus], MAP-kinase activating death domain protein [Rattus norvegicus] [R.norvegicus], MAP-kinase activating death domain, Mus musculus, Similar to MAP-kinase activating death domain, clone MGC:7838 IMAGE:3500720, mRNA, complete cds, RIKEN cDNA 201004M01 gene, suppression of tumorigenicity 5
2408	11794 NM_055606	ii		ESTs, Highly similar to Matrix metalloproteinase 23 [Rattus norvegicus] [R.norvegicus], matrix metalloproteinase 23, matrix metalloproteinase 23A, matrix metalloproteinase 23B

TABLE 3					Atty. Ref. 44921-5090-01-WO/2102485
SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					ESTs, Highly similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MAPA_MOUSE Microtubule-associated protein 1A (MAP 1A) [M.musculus], chromatin assembly factor 1, subunit A (p150), expressed sequence AI8533608, microtubule-associated protein 1A
2211	1991	NM_030995	h, l		ESTs, Highly similar to multiple PDZ domain protein [Mus musculus] [M.musculus], Homo sapiens cDNA FLJ25282 fis, clone STM06685, highly similar to Rattus norvegicus mRNA for multi PDZ domain protein, ligand of numb-protein X 1, multiple PDZ domain protein
1158	14434	AI112291			ESTs, Highly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], nuclear factor (erythroid-derived 2)-like 2, nuclear factor, erythroid derived 2, like 3, nuclear, factor, erythroid derived 2, like 2
2328	1169	NM_031789	d		ESTs, Highly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], nuclear factor (erythroid-derived 2)-like 2, nuclear factor, erythroid derived 2, like 3, nuclear, factor, erythroid derived 2, like 2
2328	1170	NM_031789	d, l, m, jj, kk		ESTs, Highly similar to protein translocation complex beta, protein transport protein SEC61 beta subunit [Homo sapiens] [H.sapiens], protein translocation complex beta
290	16215	AA874999	h, l, n, o		ESTs, Highly similar to proteoglycan 3 (megakaryocyte stimulating factor, articular superficial zone protein) [Mus musculus] [M.musculus], proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein), proteoglycan 4, (megakaryocyte stimulating factor, articular superficial zone protein, camptodactyly, arthropathy, coxa vara, pericarditis syndrome), vitronectin
1162	4969	AI113008	l, k, n, o		

TABLE 3				
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				ESTs, Highly similar to ribosomal protein L36a; 60S ribosomal protein L44; L44-like ribosomal protein; ribosomal protein L44; ribosomal protein L36a [Homo sapiens] [H.sapiens], ESTs, Moderately similar to ribosomal protein L36a; 60S ribosomal protein L44; L44-like ribosomal protein; ribosomal protein L44; ribosomal protein L36a homologue; 60S ribosomal protein L36a [Homo sapiens] [H.sapiens], RIKEN cDNA 2410038A03 gene, ribosomal protein L36a-like, ribosomal protein L44
2240	22205 NM_031105	b		ESTs, Highly similar to synaptophysin 2 [Rattus norvegicus] [R.norvegicus], Mus musculus 18 days embryo whole body cDNA, RIKEN full-length enriched library, clone:1110032G03:synaptophysin 2, full insert sequence, synaptophysin 2
2393	17298 NM_053553	cc, dd		ESTs, Highly similar to TLS-associated serine-arginine protein 1, isoform 1; TLS-associated serine-arginine protein 1; TLS-associated protein TASR [Homo sapiens] [H.sapiens], ESTs, Weakly similar to splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog) 10 [Rattus norvegicus] [R.norvegicus], Mus musculus hexanucleotide binding protein 3 (Hnrbp3) mRNA, partial cds, RIKEN cDNA 1500010G04 gene, neural-salient serine/arginine-rich, silica-induced gene 41, splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)
2479	23307 NM_057119	e		ESTs, Highly similar to TLS-associated serine-arginine protein 1, isoform 1; TLS-associated serine-arginine protein 1; TLS-associated protein TASR [Homo sapiens] [H.sapiens], ESTs, Weakly similar to splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog) 10 [Rattus norvegicus] [R.norvegicus], Mus musculus hexanucleotide binding protein 3 (Hnrbp3) mRNA, partial cds, RIKEN cDNA 1500010G04 gene, neural-salient serine/arginine-rich, silica-induced gene 41, splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)
1641	20082 AI639488	d		ESTs, Highly similar to 1814460A p53-associated protein [H.sapiens], Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse), transformed mouse 3T3 cell double minute 2
377	17350 AA892240	i, m, ii		ESTs, Highly similar to 2008109A set gene [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to SET_HUMAN SET PROTEIN [H.sapiens], SET translocation, SET translocation (myeloid leukemia-associated)

TABLE 3				
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1529	23296 AI233316	hh		ESTs, Highly similar to 40S RIBOSOMAL PROTEIN S23 [H.sapiens], <i>Mus musculus</i> , Similar to mitochondrial ribosomal protein S12, clone MGC:13892 IMAGE:4209358, mRNA, complete cds, mitochondrial ribosomal protein S12, ribosomal protein S23
2006	20848 NM_017343	bb, hh, jj, kk		ESTs, Highly similar to A37100 myosin regulatory light chain A, smooth muscle - rat [R.norvegicus], RIKEN cDNA 2900073G15 gene, myosin light chain, phosphorylatable, cardiac ventricles, myosin regulatory light chain, myosin, light polypeptide, regulatory, non-sarcomeric (20kD)
2006	20849 NM_017343	gg		ESTs, Highly similar to A37100 myosin regulatory light chain A, smooth muscle - rat [R.norvegicus], RIKEN cDNA 2900073G15 gene, myosin light chain, phosphorylatable, cardiac ventricles, myosin regulatory light chain, myosin, light polypeptide, regulatory, non-sarcomeric (20kD)
175	16971 AA819691	n, o		ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], RIKEN cDNA 2410004D02 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform
2466	16962 NM_053999	u, v		ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], RIKEN cDNA 2410004D02 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform
2474	17709 NM_057701	u, v		ESTs, Weakly similar to A45445 janusin precursor, long form - rat [R.norvegicus], Janusin-R (Restictin, janusin, J1-160/180), tenascin R (restrictin, janusin), tenascin XB
267	15884 AA866276	d, f, g, r		ESTs, Highly similar to A54602 microtubule-associated serine/threonine protein kinase MAST205 - mouse [M.musculus], ESTs, Moderately similar to A54602 microtubule-associated serine/threonine protein kinase MAST205 - mouse [M.musculus], Homo sapiens cDNA: FLJ21699 fis, clone COL09829, KIAA0303 protein, KIAA0561 protein, KIAA0807 protein, <i>Mus musculus</i> adult male cecum CDNA, RIKEN full-length enriched library, clone:913026D18:syntrophin associated serine/threonine kinase, full insert sequence, microtubule associated testis specific serine/threonine protein kinase, syntrophin associated serine/threonine kinase

TABLE 3

Atty. Ref. 44921-5090-01 WO/210485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2525	1791	NM_133541			ESTs, Highly similar to A56011 transcription factor III C alpha chain - rat [R.norvegicus], ESTs, Moderately similar to A56011 transcription factor III C alpha chain - rat [R.norvegicus], ESTs, Weakly similar to A56011 transcription factor III C alpha chain - rat [R.norvegicus], general transcription factor III C 1, general transcription factor III C, polypeptide 1 (alpha subunit, 220kD)
2542	1530	NM_134397	a, e, jj, kk		ESTs, Highly similar to A59252 myosin heavy chain, nonmuscle, form II B [H.sapiens], ESTs, Weakly similar to neuronal thread protein [Homo sapiens] [H.sapiens], ESTs, Weakly similar to LORICRIN [M.musculus], Homo sapiens mRNA, cDNA DKFZp434G227 (from clone DKFZp434G227), Homo sapiens, clone IMAGE:4111094, mRNA, partial cds, KIAA0638 protein, Mus musculus, Similar to hypothetical protein MGC2705, clone MGC:36471 IMAGE:5359433, mRNA, complete cds, Mus musculus, clone MGC:32394 IMAGE:5037534, mRNA, complete cds, expressed sequence AI036317, expressed sequence AV253284, expressed sequence C77080, loricrin
2431	11606	NM_053795	gg		ESTs, Highly similar to ANKRYN 1 [M.musculus], ESTs, Weakly similar to ANK1 MOUSE ANKRYN 1 [M.musculus], GASZ, Homo sapiens cDNA FLJ25053 f1, clone CBL04266, Mus musculus ankyrin repeat domain-containing SOCS box protein Asb-16 mRNA, complete cds, Mus musculus, Similar to hypothetical protein DKFZp564Q043, clone MG:36949 IMAGE:4946879, mRNA, complete cds, RIKEN cDNA 1110058009 gene, RIKEN cDNA 4933400N19 gene, hypothetical protein similar to ankyrin repeat-containing protein AKR1, likely homolog of rat kinase D-interacting substance of 220 kDa, regulatory factor X-associated ankyrin-containing protein
2057	17507	NM_019299	f, g		ESTs, Highly similar to B Chain B, Peptide-In-Groove Interactions Link Target Proteins To The B-Propeller Of Clathrin [R.norvegicus], RIKEN cDNA 1700034F02 gene, clathrin, heavy polypeptide (Hc), clathrin, heavy polypeptide-like 1, expressed sequence R74732
831	13387	A011462	cc, dd		ESTs, Highly similar to C259_HUMAN PROTEIN C21ORF59 [H.sapiens], chromosome 21 open reading frame 59

Atty. Ref. 44921-5090-01-WO/2105485
TABLE 3

SEQ ID	GenBank Acc. ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2627	20386	U68562	cc, dd		ESTs, Highly similar to CH60_HUMAN 60 kDa HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Moderately similar to CH60 MOUSE 60 kDa HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [M.musculus], ESTs, Weakly similar to CH60_HUMAN 60 kDa HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], heat shock 60kD protein 1 (chaperonin), heat shock protein, 60 kDa
644	12426	AA955760	u, v		ESTs, Highly similar to CIA1_HUMAN WD40-REPEAT CONTAINING PROTEIN CIAO 1 [H.sapiens], ESTs, Weakly similar to LIS1_MOUSE Platelet-activating factor acetylhydrolase B alpha subunit (PAF acetylhydrolase 45 kDa subunit) (PAF-AH 45 kDa subunit) (PAF-AH alpha) (PAFAH alpha) (Lissencephaly-1 protein) (LIS-1) [R.norvegicus], F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila), Homo sapiens cDNA FLJ31861 fis, clone NT2RP7001319, Homo sapiens, clone MGC:4710 IMAGE:3534806, mRNA, complete cds, <i>Mus musculus</i> F-box/WD40 repeat protein 6 (Fbxw6) mRNA, complete cds, <i>Mus musculus</i> , Similar to RIKEN cDNA 1500041N16 gene, clone MGC:12066 IMAGE:3708188, mRNA, complete cds, nuclear receptor co-repressor/HDAC3 complex subunit, platelet-activating factor acetylhydrolase beta subunit (PAF-AH beta), platelet-activating factor acetylhydrolase, isoform 1b, beta 1 subunit, platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit (45kD), transducin (beta)-like 1 ESTs, Highly similar to DDR1/neurograninizing protein -Tat [R.norvegicus], ESTs, Highly similar to ROA3_HUMAN HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A3 [H.sapiens], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], <i>Mus musculus</i> , similar to heterogeneous nuclear ribonucleoprotein A3 (H. sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1, heterogeneous nuclear ribonucleoprotein A3, hypothetical protein 23851
1359	17570	A1177683	u, o, hh		

Atty. Ref. 44921-5090-01-WO/2105485

TABLE 3

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H.sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1
37	17612 AA798511			ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H.sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1
181	17614 AA848306	b		ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to S38384 SEB4 protein - mouse [M.musculus], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to S38384 SEB4 protein - mouse [M.musculus], heterogeneous nuclear ribonucleoprotein A1, seb4-like (Xenopus laevis)
192	2075 AA849394	u, v		ESTs, Highly similar to DYNC_HUMAN DYNACTIN, 50 KD ISOFORM [H.sapiens], dynactin 2 (p50)
1062	5740 AI072092	l, m		ESTs, Highly similar to EF2_RAT Elongation factor 2 (EF-2) [R.norvegicus], ESTs, Weakly similar to EF2_MOUSE Elongation factor 2 (EF-2) [M.musculus], U5 small nuclear ribonucleoprotein 116 kDa, eukaryotic translation elongation factor 2
421	16482 AA892940	gg		

TABLE 3				
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
26	6581 AA799412	e		ESTs, Highly similar to ERR3_HUMAN ESTROGEN-RELATED RECEPTOR GAMMA [H.sapiens], estrogen related receptor, alpha, estrogen-related receptor alpha, estrogen-related receptor gamma
809	15644 AI010256	kk		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
1167	24212 AI136747	cc, dd		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
2462	15642 NM_053985	d		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
2462	15645 NM_053985	d		ESTs, Highly similar to HIPP_HUMAN Neuron specific calcium-binding protein hippocalcin (P23Y) (Calcium-binding protein BDR-2) [R.nonvegicus], ESTs, Moderately similar to VIS3 MOUSE VISININ-LIKE PROTEIN 3 [M.musculus], Mus musculus, clone MGC:21424 IMAGE:4500919, mRNA, complete cds, expressed sequence AI848120, guanylate cyclase activator 1A (retina), guanylate cyclase activator 1B (retina), guanylate cyclase activator 1C, guanylate cyclase activator 1a (retina), hippocalcin-like 1, hypothetical protein FLJ11767, neurocalcin delta (R.nonvegicus), ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3564589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1
2010	24228 NM_017356			ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.nonvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3564589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1
584	20795 AA944397	e, ee		ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.nonvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3564589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1
1335	16518 AI176546	kk d, ee, ff, jj		

Atty. Ref. 44921-5090-01-WO2105485

TABLE 3

SEQ ID	GLGC ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
17	25104	AA685903	d, e, f	[R. norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], RIKEN cDNA 1810014B01 gene, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, tumor rejection antigen (gp96) 1, tumor rejection antigen gp96	ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84)
2603	18647	S69316	d, e	[R. norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], RIKEN cDNA 1810014B01 gene, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, tumor rejection antigen (gp96) 1, tumor rejection antigen gp96	ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84)
1003	19093	A1058869	f, m	[H.sapiens], putative translation initiation factor, suppressor of initiator codon mutations, related sequence 1 (S. cerevisiae)	ESTs, Highly similar to Human Translation Initiation Factor Eif1, Nmr, 29 Structures [H.sapiens], putative translation initiation factor, suppressor of initiator codon mutations, related sequence 1 (S. cerevisiae)
1504	19094	A1232021	g		
387	22868	AA892391	ee, ff		ESTs, Highly similar to I48722 zinc finger protein - mouse [M.musculus], ESTs, Moderately similar to S47073 finger protein HZF2, Krueppel-related [H.sapiens], Homo sapiens cDNA FLJ31843 fis, clone NT2RP7000271, moderately similar to Mus musculus zinc finger protein 276 C2H2 type (Zfp276) mRNA, Homo sapiens cDNA: FLJ22829 fis, clone KAA4075, highly similar to HSCH16FAA Homo sapiens mRNA for FAA protein, ciliary neurotropic factor, hypothetical protein BC016816, hypothetical protein FLJ20531, zinc finger protein 354A, zinc finger protein 354B
1105	22487	A1102578	e		ESTs, Highly similar to I49523 Mouse primary response gene B94 mRNA, 3' end - mouse [M.musculus], RIKEN cDNA 1600013K19 gene, hypothetical protein MGCG16332, tumor necrosis factor, alpha-induced protein 2

TABLE 3				
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN_ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to OZF_HUMAN_ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to Z177_HUMAN_ZINC FINGER PROTEIN 177 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146), Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda1012, zinc finger protein 177, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97 ESTs, Highly similar to I58408 IK factor [H.sapiens], IK cytokine
1410	19828 AF180087	d		ESTs, Highly similar to I63768 gene Ubx/X protein - rat (fragment) [R.norvegicus], ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing), ubiquitin-activating enzyme E1, Chr X, ubiquitin-activating enzyme E1, Chr Y 1, ubiquitin-activating enzyme E1-like
707	8786 AA996693	d		ESTs, Highly similar to I67428 retinoic acid receptor homolog - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma [R.norvegicus], highly similar to I67428 retinoic acid receptor homolog - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma [R.norvegicus], highly similar to IEF SSP_HUMAN TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521 [H.sapiens], ESTs, Weakly similar to small glutamine-rich tetrapeptide repeat (TPR) containing protein (SGT) [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:27660 IMAGE:4527683, mRNA, complete cds, RIKEN cDNA 5330427H01 gene, hypothetical protein FLJ12788, small glutamine-rich tetrapeptide repeat (TPR) containing protein (SGT), small glutamine-rich tetrapeptide repeat (TPR)-containing, stress-induced phosphoprotein 1, stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)
870	16686 AI013160	u, v		ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN_ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to Z177_HUMAN_ZINC FINGER PROTEIN 177 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146), Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda1012, zinc finger protein 177, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97 ESTs, Highly similar to I58408 IK factor [H.sapiens], IK cytokine
748	19649 AF016687	jj, kk		ESTs, Highly similar to I63768 gene Ubx/X protein - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma [R.norvegicus], highly similar to I67428 retinoic acid receptor homolog - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma [R.norvegicus], highly similar to IEF SSP_HUMAN TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521 [H.sapiens], ESTs, Weakly similar to small glutamine-rich tetrapeptide repeat (TPR) containing protein (SGT) [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:27660 IMAGE:4527683, mRNA, complete cds, RIKEN cDNA 5330427H01 gene, hypothetical protein FLJ12788, small glutamine-rich tetrapeptide repeat (TPR) containing protein (SGT), small glutamine-rich tetrapeptide repeat (TPR)-containing, stress-induced phosphoprotein 1, stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)
748	19650 AF016687	jj, kk		ESTs, Highly similar to I63768 gene Ubx/X protein - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma [R.norvegicus], highly similar to I67428 retinoic acid receptor homolog - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma [R.norvegicus], highly similar to IEF SSP_HUMAN TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521 [H.sapiens], ESTs, Weakly similar to small glutamine-rich tetrapeptide repeat (TPR) containing protein (SGT) [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:27660 IMAGE:4527683, mRNA, complete cds, RIKEN cDNA 5330427H01 gene, hypothetical protein FLJ12788, small glutamine-rich tetrapeptide repeat (TPR) containing protein (SGT), small glutamine-rich tetrapeptide repeat (TPR)-containing, stress-induced phosphoprotein 1, stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)
2563	11840 NM_138911	e		ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN_ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to Z177_HUMAN_ZINC FINGER PROTEIN 177 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146), Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda1012, zinc finger protein 177, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97 ESTs, Highly similar to I58408 IK factor [H.sapiens], IK cytokine
1386	18848 AF178816	n, o		ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN_ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to Z177_HUMAN_ZINC FINGER PROTEIN 177 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146), Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda1012, zinc finger protein 177, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97 ESTs, Highly similar to I58408 IK factor [H.sapiens], IK cytokine

TABLE 3					Atty. Ref. 44921-5090-01-WO2105485
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1218	21660 A169751	a, kk		ESTs, Highly similar to [FM3_HUMAN INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 [H.sapiens], ESTs, Highly similar to S17182 interferon-induced protein 1-8U [H.sapiens], RIKEN cDNA 1110004C05 gene, interferon induced transmembrane protein 1 (9-27), interferon induced transmembrane protein 3 (1-8U)]	
2665	21657 X61381	d, j, k, m, y, z, kk		ESTs, Highly similar to [FM3_HUMAN INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 [H.sapiens], ESTs, Highly similar to S17182 interferon-induced protein 1-8U [H.sapiens], RIKEN cDNA 1110004C05 gene, interferon induced transmembrane protein 1 (9-27), interferon induced transmembrane protein 3 (1-8U)]	
1276	2140 A1172272	hh		ESTs, Highly similar to Transcriptional Elongation Factor SII [H.sapiens], ESTs, Weakly similar to JC5430 transcription elongation factor S-II-T1, testis-specific - mouse [M.musculus], Homo sapiens cDNA: FLJ23371 fis, clone HEP16068, highly similar to HSTFISH Homo sapiens mRNA for transcription elongation factor TFIIS, PHD finger protein 3, transcription elongation factor A (SII), 3	
2560	3015 NM_138895	aa, bb		ESTs, Highly similar to JE0190 polyubiquitin 9 [H.sapiens], Homo sapiens, Similar to orosomucoid 1, clone MGC:24263 IMAGE:3934516, mRNA, complete cds, expressed sequence AL033289, ubiquitin B, ubiquitin C	
322	2846 AA875639	a		ESTs, Highly similar to LB4D_HUMAN NADP-DEPENDENT LEUKOTRIENE B4 12-HYDROXYDEHYDROGENASE [H.sapiens], ESTs, Weakly similar to LB4D_HUMAN NADP-DEPENDENT LEUKOTRIENE B4 12-HYDROXYDEHYDROGENASE [H.sapiens], Homo sapiens, clone IMAGE:4793702, mRNA, Mus musculus, clone MGC:324469 IMAGE:5050433, mRNA, complete cds, crystallin, zeta, fatty acid synthase, quinone oxidoreductase homolog	
1890	1258 NM_013185	hh		ESTs, Highly similar to LCK MOUSE PROTO-ONCOGENE TYROSINE-PROTEIN KINASE LCK [M.musculus], RIKEN cDNA 8430404F20 gene, hemopoietic cell kinase, lymphocyte protein tyrosine kinase, lymphocyte-specific protein tyrosine kinase, src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites	

TABLE 3					Atty. Ref. 44921-5090-01-WO/2105485
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1014	8729 AI059485	w, X		ESTs, Highly similar to MEM2 RAT MEMBRANE-ASSOCIATED PROTEIN HEM-2 [R.norvegicus], ESTs, Highly similar to NCP1_RAT Nck-associated protein 1 (NAP 1) (p125Nap1) (Membrane-associated protein HEM-2) [R.norvegicus], NCK-associated protein 1	ESTs, Highly similar to MX11_RAT MAX interacting protein 1 (MX11 protein) [R.norvegicus], ESTs, Moderately similar to MX11_RAT MAX interacting protein 1 (MX11 protein) [R.norvegicus], Homo sapiens cDNA FLJ32472 fis, clone SKNM(C2000356, highly similar to Mus musculus Max-interacting transcriptional repressor (Mad3) mRNA, MAX interacting protein 1, Max interacting protein 1, likely ortholog of mouse Max dimerization protein 3
2583	305 NM_145773	u, v		ESTs, Highly similar to MX11_RAT MAX interacting protein 1 (MX11 protein) [R.norvegicus], ESTs, Weakly similar to MX11_RAT MAX interacting protein 1 (MX11 protein) [R.norvegicus], MAX dimerization protein, MAX interacting protein 1, Max interacting protein 1	ESTs, Highly similar to MYH9_RAT Myosin heavy chain, nonmuscle type A (Cellular myosin heavy chain, type A) (Nonmuscle myosin heavy chain-A) (NMHC-A) [R.norvegicus], ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMHC-B) [M.musculus], ESTs, Weakly similar to MYH9_RAT Myosin heavy chain, nonmuscle type A (Cellular myosin heavy chain, type A) (Nonmuscle myosin heavy chain-A) (NMHC-A) [R.norvegicus], ESTs, Weakly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMHC-B) [M.musculus], RIKEN cDNA 240004E04 gene, RIKEN cDNA 5730504C04 gene, TGFB1-induced anti-apoptotic factor 1, myosin heavy chain IX, myosin, heavy polypeptide 9, nonmuscle, protein tyrosine phosphatase, receptor-type, F interacting protein, binding protein 2
1884	3465 NM_013160	h, l			ESTs, Highly similar to NTC1_RAT Neurogenic locus notch homolog protein 1 precursor (Notch 1) [R.norvegicus], Homo sapiens cDNA FLJ25053 fis, clone CBL04266, Notch gene homolog 1, (Drosophila), Notch homolog 1, translocation-associated (Drosophila), hypothetical protein similar to ankyrin repeat-containing protein AKR1, likely homolog of rat kinase D-interacting substance of 220 kDa
1892	1970 NM_013194	gg			
228	13802 AA858853	b, l, m			

TABLE 3				
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2355	25529 NM_033096	n, o		ESTs, Highly similar to P2CB_HUMAN PROTEIN PHOSPHATASE 2C BETA ISOFORM [H.sapiens], ESTs, Weakly similar to P2CB_HUMAN PROTEIN PHOSPHATASE 2C BETA ISOFORM [H.sapiens], Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform, protein phosphatase 1B, magnesium dependent, beta isoform
2355	25569 NM_033096	r		ESTs, Highly similar to P2CB_HUMAN PROTEIN PHOSPHATASE 2C BETA ISOFORM [H.sapiens], ESTs, Weakly similar to P2CB_HUMAN PROTEIN PHOSPHATASE 2C BETA ISOFORM [H.sapiens], Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform, protein phosphatase 1B, magnesium dependent, beta isoform
2355	19148 NM_033096	h, l		ESTs, Highly similar to P2CB_HUMAN PROTEIN PHOSPHATASE ISOFORM [H.sapiens], ESTs, Weakly similar to P2CB_HUMAN PROTEIN PHOSPHATASE ISOFORM [H.sapiens], Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform, protein phosphatase 1B, magnesium dependent, beta isoform
2540	19840 NM_134353			ESTs, Highly similar to PAB1_MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Moderately similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], ESTs, Weakly similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], Nucleolin, RIKEN cDNA 4932702K14 gene, nucleolin, pigpen, poly A binding protein, cytoplasmic 1, poly(A) binding protein, cytoplasmic 3, poly(A) binding protein, cytoplasmic, pseudogene 2
2464	18025 NM_053989	w, x		ESTs, Highly similar to PAB1_HUMAN POLYADENYLATE-BINDING PROTEIN 1 [H.sapiens], RIKEN cDNA 2810411E22 gene, RIKEN cDNA 4432411E13 gene, RIKEN cDNA 4930431E10 gene

Atty. Ref. 44921-5090-01-WO/2105485

TABLE 3

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2235	126388 NM_031099	e		ESTs, Highly similar to PC4210 ribosomal protein L5 [H.sapiens], ribosomal protein L5
2235	12639 NM_031099	g		ESTs, Highly similar to PC4210 ribosomal protein L5 [H.sapiens], ribosomal protein L5
896	7212 A1014065	gg		ESTs, Highly similar to PMX1_MOUSE Paired mesoderm homeobox protein 1 [PRX-1] (Paired related homeobox protein 1) (Homeobox protein MhoX) [Homeobox protein K-2] (Rhox) [R.norvegicus], ESTs, Weakly similar to PMX1_MOUSE Paired mesoderm homeobox protein 1 (PRX-1) (Paired related homeobox protein 1) (Homeobox protein MhoX) (Homeobox protein K-2) (Rhox) [R.norvegicus], paired mesoderm homeo box 1, paired related homeobox 1, paired related homeobox
1300	4445 A1175466	r		ESTs, Highly similar to RASH_RAT TRANSFORMING PROTEIN P21/H-RAS-1 (C-H-RAS) [R.norvegicus], Harvey rat sarcoma oncogene, subgroup R, Harvey rat sarcoma virus oncogene, Mus musculus, Similar to v-Ha-ras Harvey rat sarcoma viral oncogene homolog, clone MGC:19390 IMAGE:3152667, mRNA, complete cds, related RAS viral (r-ras) oncogene homolog, v-Ha-ras Harvey rat sarcoma viral oncogene homolog
438	18542 AA893493	g		ESTs, Highly similar to RL26_HUMAN 60S RIBOSOMAL PROTEIN L26 [H.sapiens], ESTs, Highly similar to S33713 ribosomal protein L26, cytosolic [H.sapiens], ESTs, Moderately similar to RL26_HUMAN 60S RIBOSOMAL PROTEIN L26 [H.sapiens], ribosomal protein L26, ribosomal protein L26-like 1
2646	18541 X14671	g		ESTs, Highly similar to RL26_HUMAN 60S RIBOSOMAL PROTEIN L26 [H.sapiens], ESTs, Highly similar to S33713 ribosomal protein L26, cytosolic [H.sapiens], ESTs, Moderately similar to RL26_HUMAN 60S RIBOSOMAL PROTEIN L26 [H.sapiens], ribosomal protein L26, ribosomal protein L26-like 1
1903	815 NM_013224	g, h, i, w, x		ESTs, Highly similar to RS26_HUMAN 40S RIBOSOMAL PROTEIN S26 [H.sapiens], Homo sapiens, clone IMAGE:4100953, mRNA, polymerase (RNA) II (DNA directed) polypeptide D, ribosomal protein S26

Atty. Ref. 44921-5090-01-WO/2105485
TABLE 3

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				ESTs, Highly similar to S72520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], Mus musculus, Similar to TAR DNA binding protein, clone MGC:19284 IMAGE:4016437, mRNA, complete cds, RIKEN cDNA 261051D13 gene, RIKEN cDNA 4930547K05 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A3
81	15011 AA799893	hh		ESTs, Highly similar to S57449 fusca protein homolog - rat [R.norvegicus], ESTs, Weakly similar to S57449 fusca protein homolog - rat [R.norvegicus], G protein pathway suppressor 1, Mus musculus, Similar to G protein pathway suppressor 1, clone MGC:7191 IMAGE:3481979, mRNA, complete cds, RIKEN cDNA 240006A19 gene
2457	6357 NM_053969	d		ESTs, Highly similar to S63665 titin protein [H.sapiens], ESTs, Weakly similar to S63665 titin protein [H.sapiens], Homo sapiens cDNA FLJ31994 fis, clone NT2RP7009215, Homo sapiens, Similar to RIKEN cDNA 1810054013 gene, clone IMAGE:3845933, mRNA, partial cds
817	18691 A010605	b		ESTs, Highly similar to S68275 Mas 20 protein [H.sapiens], Homo sapiens cDNA FLJ30361 fis, clone BRACE2007764, RIKEN cDNA 1810060107 gene, RIKEN cDNA 4930553D19 gene, translocase of outer mitochondrial membrane 20 (yeast) homolog
2592	10544 NM_152935	s, t, u, v		ESTs, Highly similar to S68418 protein phosphatase 1M chain M110 isoform - rat [R.norvegicus], ESTs, Weakly similar to S68418 protein phosphatase 1M chain M110 isoform - rat (fragment) [R.norvegicus], expressed sequence AI449786, expressed sequence AI746547, leukocyte receptor cluster (LRC) member 3, myosin phosphatase, target subunit 1, protein phosphatase 1, regulatory (inhibitor) subunit 12A
60	20982 AA799657	d, e, ii		

TABLE 3
Alty. Ref. 44921-5090-01-WO2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					ESTs, Highly similar to S_0642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], Mus musculus, clone MGC:12070 IMAGE:3708271, mRNA, complete cds, RIKEN cDNA 1700056O17 gene, RIKEN cDNA 5830462N02 gene, expressed sequence AW212605, neural precursor cell expressed, developmentally down-regulated 4, neural precursor cell expressed, developmentally down-regulated gene 4a, thyroid hormone receptor interactor 12, ubiquitin protein ligase E3A
1388	23043	A117898	b		ESTs, Highly similar to SL56_RAT SODIUM-DEPENDENT MULTIVITAMIN TRANSPORTER (NA(+)-DEPENDENT MULTIVITAMIN TRANSPORTER) [R.norvegicus], ESTs, Highly similar to SL56_RAT Sodium-dependent multivitamin transporter (Na(+)-dependent multivitamin transporter) [R.norvegicus], Homo sapiens cDNA FLJ14949 fis, clone PLACE2000341, highly similar to Homo sapiens sodium-dependent multivitamin transporter (SMVT) mRNA, Homo sapiens mRNA; cDNA DKFZp434F152 (from clone DKFZp434F152), solute carrier family 5 (sodium iodide symporter), member 5, solute carrier family 5 (sodium-dependent vitamin transporter), member 6
2508	1502	NM_130746	aa		ESTs, Highly similar to SL56_RAT SODIUM-DEPENDENT MULTIVITAMIN TRANSPORTER (NA(+)-DEPENDENT MULTIVITAMIN TRANSPORTER) [R.norvegicus], ESTs, Highly similar to SL56_RAT Sodium-dependent multivitamin transporter (Na(+)-dependent multivitamin transporter) [R.norvegicus], Homo sapiens cDNA FLJ14949 fis, clone PLACE2000341, highly similar to Homo sapiens sodium-dependent multivitamin transporter (SMVT) mRNA, Homo sapiens mRNA; cDNA DKFZp434F152 (from clone DKFZp434F152), solute carrier family 5 (sodium iodide symporter), member 5, solute carrier family 5 (sodium-dependent vitamin transporter), member 6
2508	1503	NM_130746	d		ESTs, Highly similar to T08726 tubulin beta chain [H.sapiens], ESTs, Highly similar to TBB1_RAT TUBULIN BETA CHAIN (T_BETA-15) [R.norvegicus], RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930447K03 gene, RIKEN cDNA 4930542G03 gene, Rat mRNA for beta-tubulin T beta15, expressed sequence A1451582, expressed sequence C79445, tubulin, beta 3, tubulin, gamma 1
2585	22972	NM_145778	e		

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2449	385 NM_053885	b, o, u, v, ee, ff, kk		ESTs, Highly similar to T42731 atrophin-1 related protein - rat [R.musculus], ESTs, Weakly similar to dentatorubral pallidoluysian atrophy [M.musculus], arginine-glutamic acid dipeptide (RE) repeats, dentatorubral pallidoluysian atrophy, expressed sequence AW556404, expressed sequence AW742570
1201	11346 AI145991	jj, kk		ESTs, Highly similar to T46266 hypothetical protein DKFZp761A179.1 [H.sapiens], KIAA1246 protein, KIAA1580 protein, hypothetical protein FLJ14594
446	19411 AA893687	cc, dd		ESTs, Highly similar to T46904 hypothetical protein DKFZp761D081.1 [H.sapiens], Homo sapiens cDNA: FLJ21537 fis, clone COL06346, likely ortholog of mouse Arkadia
489	16753 AA900474	w, x		ESTs, Highly similar to T50619 hypothetical protein DKFZp762M136.1 [H.sapiens], hypothetical protein DKFZp762M136
2192	11628 NM_024383	b		ESTs, Highly similar to TRANSCRIPTION FACTOR HE-S-5 [M.musculus], hairy and enhancer of split (Drosophila) homolog 2, hairy and enhancer of split 5, (Drosophila) ESTs, Highly similar to THURR transforming protein rap1b [H.sapiens], ESTs, Weakly similar to GTP-binding protein ROC2 [M.musculus], Mus musculus, Similar to RAS-like, estrogen-regulated, growth-inhibitor, clone MGC:31467 IMAGE:4483442, mRNA, complete cds, RAP1B, member of RAS oncogene family, RAP2B, member of RAS oncogene family, RAS-like, estrogen-regulated, growth-inhibitor
2536	16456 NM_134346	ii		ESTs, Highly similar to TYB4 MOUSE THYMOSIN BETA-4 [M.musculus], ESTs, Moderately similar to PC4259 ferritin associated protein [H.sapiens], Homo sapiens cDNA FLJ31414 fis, clone NT2NE2000260, weakly similar to THYMOSIN BETA-4, thymosin, beta 4, X chromosome
2256	15052 NM_031136	c, w, x, aa, bb		ESTs, Highly similar to UV EXCISION REPAIR PROTEIN RAD23 HOMOLOG B [M.musculus], RAD23 homolog B (S. cerevisiae), RAD23b homolog (S. cerevisiae)
1202	11363 AI145997	hh		ESTs, Moderately similar to Arg/Abi-interacting protein ArgBP2 [Rattus norvegicus], ESTs, Weakly similar to Arg/Abi-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 2010203O03 gene, SH3-domain protein 5 (ponsin), sorbin and SH3 domain containing 1
2428	14015 NM_053770	hh		

TABLE 3					Atty. Ref. 44921-5090-01-WO/2105485
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2428	14017 NM_053770	hh		ESTs, Moderately similar to Arg/Abi-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to Arg/Abi-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 2010203O03 gene, SH3-domain protein 5 (ponsin), sorbin and SH3 domain containing 1	
1693	381 L00124	b, l, m		ESTs, Moderately similar to elastase 3B, pancreatic [Mus musculus] [M.musculus], ESTs, Weakly similar to EL2 MOUSE ELASTASE 2 PRECURSOR [M.musculus], ESTs, Weakly similar to EL2_RAT Elastase 2 precursor [R.norvegicus], elastase 2, elastase 2A, elastase 3A, pancreatic (protease E), elastase 3B, pancreatic	
2222	17727 NM_031043	c		ESTs, Moderately similar to glycogenin 2 [Homo sapiens] [H.sapiens], glycogenin, glycogenin 1, glycogenin 2	
2138	9541 NM_022542	e, f		ESTs, Moderately similar to rhoB gene [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to rhoB gene [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:29297 IMAGE:5003249, mRNA, complete cds, RIKEN cDNA 5830400A04 gene, ras homolog B (RhoB), ras homolog gene family, member B	
782	21596 A1009168	j, k		ESTs, Moderately similar to rhoB gene [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:29297 IMAGE:5003249, mRNA, complete cds, RIKEN cDNA 5830400A04 gene, cell division cycle 42 homolog (S. cerevisiae), ras homolog B (RhoB), ras homolog gene family, member B, ras homolog gene family, member U, rhoB gene	
2348	18898 NM_031985	ii		ESTs, Moderately similar to ribosomal protein S6 kinase, 70kD, polypeptide 2; S6 kinase 2 [Mus musculus] [M.musculus], RIKEN cDNA 2610318I15 gene, ribosomal protein S6 kinase, 70kD, polypeptide 1, ribosomal protein S6 kinase, 70kD, polypeptide 2	
2348	18899 NM_031985	gg		ESTs, Moderately similar to RIKEN cDNA 2900010105 [Mus musculus] [M.musculus], NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8 (19kD), ASH1, RIKEN cDNA 2900010105 gene	
215	16934 AA851403	b			

TABLE 3
Atty. Ref. 44921-50900-01-WO2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2157	194	NM_022861	cc, dd		ESTs, Moderately similar to UNC-13 homolog [C. elegans] 1 [Mus musculus] [M.musculus], unc-13-like [C. elegans], unc-13 homolog [C. elegans] 1 EST's, Moderately similar to 2118320A neurodegeneration-associated protein 1 [Rattus norvegicus] [R.norvegicus], KIAA0438 gene product, Mus musculus, clone IMAGE:3499845, mRNA, partial cds, hypothetical protein FLJ20552, hypothetical protein LOC51255, praia 1, praia1, RING-H2 motif containing, protein carrying the RING-H2 sequence motif, similar to RIKEN cDNA 1300002C13, zinc finger protein 364
1245	17783	A171206	ee, ff		ESTs, Moderately similar to A40936 statmin [H.sapiens], expressed sequence AI13641, leukemia-associated gene, statmin 1/oncoprotein 18
1959	20702	NM_017166	j, k, Y, z		ESTs, Moderately similar to AAKG_RAT 5'-AMP-activated protein kinase, gamma-1 subunit (AMPK gamma-1 chain) (AMPKg) [R.norvegicus], Mus musculus, clone MGC:18882 IMAGE:4238045, mRNA, complete cds, RIKEN cDNA 2410051C13 gene, expressed sequence Al854673, expressed sequence BB036179, protein kinase, AMP-activated, gamma 1 non-catalytic subunit
1845	1467	NM_013010	ii		ESTs, Moderately similar to CAZ3_MOUSE_F-ACTIN CAPPING PROTEIN ALPHA-3 SUBUNIT (CAPZ ALPHA-3) (GERM CELL-SPECIFIC PROTEIN 3) [M.musculus], capping protein (actin filament) muscle Z-line, alpha 2, capping protein alpha 2, capping protein alpha 3
413	7148	AA892942	f, g		
1103	4102	A1102524	gg		ESTs, Moderately similar to CBX4_HUMAN CHROMOBOX PROTEIN HOMOLOG 4 (POLYCOMB 2 HOMOLOG) (PC2) (HPC2) [H.sapiens], chromobox homolog 4 (Pc class homolog, Drosophila), hypothetical protein MGC10561
2229	79	NM_031079	y, z, ee, ff		ESTs, Moderately similar to CNE3_MOUSE COPINE VI (NEURONAL-COPINE)(N-COPINE) [M.musculus], ESTs, Weakly similar to CNE3_HUMAN COPINE III [H.sapiens], RIKEN cDNA 363241M23 gene, copine 6, copine II, copine III, expressed sequence AU067599, expressed sequence AW047065
1593	18854	A1237636	f, g, l, m		

TABLE 3
SEQ ID GLGC ID No. GenBank Acc. Model Code Human Homologous Known Gene Name Human Homologous Sequence Cluster Title Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1323	13339	AI176308	s, t		ESTs, Moderately similar to CC1B_RAT Coronin 1B (Coronin 2) [R. norvegicus], Mus musculus, Similar to coronin, actin binding protein, 2A, clone IMAGE:4984415, mRNA, partial cds, coronin, actin binding protein 1B, coronin, actin binding protein 1C, hypothetical protein DKFZp7621166
1179	17402	AI137553	ee, ff	a, p, q, z, ee, ff, kk	ESTs, Moderately similar to DIP_HUMAN DIP PROTEIN [H. sapiens], KIAA06669 gene product, RIKEN cDNA 0610009M14 gene, RIKEN cDNA 1810043J12 gene, TSC-22-like, transforming growth factor beta 1 induced transcript 4, transforming growth factor beta-stimulated protein TSC-22
1854	17401	NM_013043			ESTs, Moderately similar to HB2D_RAT RT1 CLASS II HISTOCOMPATIBILITY ANTIGEN, D-1 BETA CHAIN PRECURSOR [R. norvegicus], ESTs, Weakly similar to HB2D_RAT RT1 CLASS II HISTOCOMPATIBILITY ANTIGEN, D-1 BETA CHAIN PRECURSOR [R. norvegicus], Rattus norvegicus Class II MHC RT1.D(a) beta chain precursor (RT1.D(a)) mRNA, complete cds, Rattus norvegicus Class II MHC RT1.D(n) beta chain precursor (RT1.D(n)) mRNA, complete cds, major histocompatibility complex, class II, DR beta 5
2652	16715	X53054	cc, dd, ii		ESTs, Moderately similar to HB2D_RAT RT1 CLASS II HISTOCOMPATIBILITY ANTIGEN, D-1 BETA CHAIN PRECURSOR [R. norvegicus], ESTs, Weakly similar to HB2D_RAT RT1 CLASS II HISTOCOMPATIBILITY ANTIGEN, D-1 BETA CHAIN PRECURSOR [R. norvegicus], Rattus norvegicus Class II MHC RT1.D(a) beta chain precursor (RT1.D(a)) mRNA, complete cds, Rattus norvegicus Class II MHC RT1.D(n) beta chain precursor (RT1.D(n)) mRNA, complete cds, major histocompatibility complex, class II, DR beta 5
2652	16716	X53054	c		ESTs, Moderately similar to JC7220 nuclear protein SR-25 [H. sapiens], HSVI binding protein, SRp25 nuclear protein, expressed sequence AA4016210, expressed sequence AA403635
382	18209	AA892318	s, t		

TABLE 3				
SEQ ID.	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
854	7120A012393	v		ESTs, Moderately similar to JE0343 terf protein - rat [R.norvegicus], ESTs, Weakly similar to BUTY_MOUSE_BUTYROPHILIN PRECURSOR [M.musculus], ESTs, ESTs, Weakly similar to JE0343 terf protein - rat [R.norvegicus], butyrophilin, subfamily 1, member A1, expressed sequence AA414909, expressed sequence AW538890, ret finger protein, tripartite motif protein 17, tripartite motif-containing 17
2485	15460 NM_057191	d, ee, ff		ESTs, Moderately similar to KHL1_MOUSE_Kelch-like protein 1 [M.musculus], ESTs, Weakly similar to ENC1_MOUSE_ECTODERM-NEURAL_CORTEX-1 PROTEIN (ENC-1) [M.musculus], ESTs, Weakly similar to KRP1_RAT Kelch-related protein 1 (Kel-like protein 23) (Sarcosin) [R.norvegicus], KIAA1842 protein, Mus musculus, clone MGC:28950 IMAGE:4235202, mRNA, complete cds, RIKEN cDNA 130013C10 gene, expressed sequence AL022703, kelch-like 1 (Drosophila), sarcomeric muscle protein, speckle-type POZ protein
2485	15461 NM_057191	ee, ff		ESTs, Moderately similar to KHL1_MOUSE_Kelch-like protein 1 [M.musculus], ESTs, Weakly similar to ENC1_MOUSE_ECTODERM-NEURAL_CORTEX-1 PROTEIN (ENC-1) [M.musculus], ESTs, Weakly similar to KRP1_RAT Kelch-related protein 1 (Kel-like protein 23) (Sarcosin) [R.norvegicus], KIAA1842 protein, Mus musculus, clone MGC:28950 IMAGE:4235202, mRNA, complete cds, RIKEN cDNA 130013C10 gene, expressed sequence AL022703, kelch-like 1 (Drosophila), sarcomeric muscle protein, speckle-type POZ protein
1415	8180A180353	hh		ESTs, Moderately similar to LYOX_HUMAN PROTEIN-LYSINE 6-OXIDASE PRECURSOR [H.sapiens], ESTs, Moderately similar to LYOX_RAT Protein-lysine 6-oxidase precursor (Lysyl oxidase) [R.norvegicus], Lysyl oxidase, lysyl oxidase, lysyl oxidase-like 2, lysyl oxidase-like 4
114	22386 AA800844	g		ESTs, Moderately similar to LYOX_HUMAN PROTEIN-LYSINE 6-OXIDASE PRECURSOR [H.sapiens], ESTs, Weakly similar to LYOX_RAT Protein-lysine 6-oxidase precursor (Lysyl oxidase) [R.norvegicus], Lysyl oxidase, lysyl oxidase, lysyl oxidase-like, lysyl oxidase-like 1, lysyl oxidase-like 2
252	22385 AA859805	g, s, t		ESTs, Moderately similar to LYOX_HUMAN PROTEIN-LYSINE 6-OXIDASE PRECURSOR [H.sapiens], ESTs, Weakly similar to LYOX_RAT Protein-lysine 6-oxidase-like, lysyl oxidase-like 1, lysyl oxidase-like 2

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1787	8829 NM_012749	j, k, hh, kk		ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Weakly similar to A35804, nucleolin [H.sapiens], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], ESTs, Weakly similar to NUCL_RAT Nucleolin (Protein C23) [R.norvegicus], RIKEN cDNA 1200009A02 gene, eukaryotic translation initiation factor 3, subunit 4 (delta, 44 kDa), nucleolin, pigpen
1483	23304 AI231310	ee, ff		ESTs, Moderately similar to P4FH_RAT Prolyl 4-hydroxylase alpha-1 subunit precursor (4-PH alpha-1) (Procollagen-proline 2-oxoglutarate-4-dioxygenase alpha-1 subunit) [R.norvegicus], Homo sapiens, clone IMAGE3162218, mRNA, partial cds, RIKEN cDNA 4933406E20 gene, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide I, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II
1536	15685 AI233870	hh		ESTs, Moderately similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], ESTs, Weakly similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], RIKEN cDNA 4932702K14 gene, poly A binding protein, cytoplasmic 1, poly(A) binding protein, cytoplasmic 4 (inducible form)
1663	1884 D50095	s, t		ESTs, Moderately similar to PRSS6_HUMAN 26S PROTEASE REGULATORY SUBUNIT 6B [H.sapiens], proteasome (prosome, macropain) 26S subunit, ATPase, 4
862	6489 AI012696			ESTs, Moderately similar to RBMA_RAT RNA-BINDING PROTEIN 10 (RNA BINDING MOTIF PROTEIN 10) (ST-1 PROTEIN) [R.norvegicus], Homo sapiens cDNA FLJ10100 firs, clone HEMBA1002469, moderately similar to DYS8237E PROTEIN, Mus musculus, Similar to RNA binding motif protein 10, clone MGC:7826 IMAGE:3500403, mRNA, complete cds, RNA binding motif protein 10, S1-1 protein from liver
1691	149681 K02815	c		ESTs, Moderately similar to SC4363 class II histocompatibility antigen RT1-B alpha chain precursor - rat [R.norvegicus], histocompatibility 2, O region alpha locus, major histocompatibility complex, class II, DO alpha

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
483	3903 AA899986	w, X		ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 281036L13 gene, heterogenous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2
1120	3905 AI103403	a		ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 281036L13 gene, heterogenous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2
2126	3900 NM_022516	s, t		ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 281036L13 gene, heterogenous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2
946	7961 AI044042	l, m		ESTs, Moderately similar to S47073 finger protein HZF2, Krueppel-related 354B [H.sapiens], zinc finger protein 191, zinc finger protein 354A, zinc finger protein
638	22596 AA955298	y, z		ESTs, Moderately similar to T46637 transcription factor 1, neural - rat [R.norvegicus], ESTs, Weakly similar to A35804 nucleolin [H.sapiens], Homo sapiens mRNA; cDNA DKFZp434E0922 (from clone DKFZp434E0922), Mus musculus 10, 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:281000318:myelin transcription factor 1-like, full insert sequence, myelin transcription factor 1-like, nucleolin

Atty. Ref. 44921-50900-01-WO/2105485

TABLE 3

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2520	10360 NM_133423	e, cc, dd		ESTs, Moderately similar to T46637 transcription factor 1, neural - rat [R.norvegicus], Homo sapiens mRNA; cDNA DKFZp434E0922 (from clone DKFZp434E0922), Mus musculus 10, 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2810003118myelin transcription factor 1-like, full insert sequence, myelin transcription factor 1-like
1020	10277 AI059925	u, v		ESTs, Moderately similar to T47137 hypothetical protein DKFZp761K2213.1 [H.sapiens], myeloid/lymphoid or mixed lineage-leukemia translocation to 4 homolog (Drosophila), myeloid/lymphoid or mixed-lineage leukemia (titthorax homolog, Drosophila); translocated to, 4
834	7060 AI011547	b		ESTs, Moderately similar to T47183 hypothetical protein DKFZp434K1822.1 [H.sapiens], ubiquitin specific protease 22
2549	25479 NM_138549	jj, kk		ESTs, Moderately similar to T50638 synaptic glycoprotein SC2 [H.sapiens], ESTs, Weakly similar to T50638 synaptic glycoprotein SC2 [H.sapiens], expressed sequence AI173355, glycoprotein, synaptic 2, steroid 5 alpha-reductase 2, steroid 5 alpha-reductase 2-like, steroid 5-alpha-reductase 2, steroid 5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)
118	21416 AA800962	hh		ESTs, Moderately similar to TALIN [M.musculus], Mus musculus, Similar to hypothetical protein MGC11134, clone MGC:41710 IMAGE:1364225, mRNA, complete cds, talin, talin 2
1774	1514 NM_012678	bb		ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus], tropomyosin 4

TABLE 3				Atty. Ref 44921-5090-01-WO/2004/063334
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				ESTs, moderately similar to UBCO_FLUWAN ubiquitin-conjugating enzyme E2E21 KD UBCH6 [H.sapiens], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17KB - rat [R.norvegicus], Homo sapiens cDNA FLJ25157 clone CBR08008, highly similar to UBIQUITIN-CONJUGATING ENZYME E2E3 KDA (EC 6.3.2.19), <i>Mus musculus</i> , Similar to ubiquitin-conjugating enzyme E2E 3 (homologous to yeast UBC4/5), clone MGC:28917 IMAGE:4923869, mRNA, complete cds, RIKEN cDNA 1100001F19 gene, RIKEN cDNA 16002817 gene, RIKEN cDNA 6130401J04 gene, hypothetical protein FLJ11011, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5), ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)
502	4858 AA901238	w, x		ESTs, Weakly similar to 2-oxoglutarate carrier [Rattus norvegicus] [R.norvegicus], solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11
2115	23300 NM_022398	jj, kk		ESTs, Weakly similar to arachidonate 12-lipoxygenase [Rattus norvegicus] [R.norvegicus], arachidonate 12-lipoxygenase, arachidonate 12-lipoxygenase, pseudogene 2, arachidonate 15-lipoxygenase
2213	25517 NM_031010	c, v		ESTs, Weakly similar to arachidonate 12-lipoxygenase [Rattus norvegicus] [R.norvegicus], arachidonate 12-lipoxygenase, arachidonate 12-lipoxygenase, pseudogene 2, arachidonate 15-lipoxygenase
2213	1845 NM_031010	c, v		ESTs, Weakly similar to associated molecule with the SH3 domain of STAM [Homo sapiens] [H.sapiens], RIKEN cDNA 1700095N21 gene, associated molecule with the SH3 domain of STAM
2547	4422 NM_138531	gg		ESTs, Weakly similar to Cgef2-pending; cAMP-dependent Rap1 guanine-nucleotide exchange factor, cAMP-GEFI [Mus musculus] [M.musculus], Mus musculus, Similar to cAMP-regulated guanine nucleotide exchange factor I (cAMP-GEFI), clone MGC:19192 IMAGE:4236136, mRNA, complete cds, RIKEN cDNA 4921517L17 gene, Rap1 guanine-nucleotide-exchange factor directly activated by cAMP, cAMP-regulated guanine nucleotide-exchange factor II, chromosome 20 open reading frame 152, expressed sequence C86120
2084	19667 NM_021690	ii		

TABLE 3
Atty. Ref. 44921-E090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
611	20619 AA945737	d, r, aa, bb		ESTs, Weakly similar to CX3C chemokine receptor [Rattus norvegicus] [R.norvegicus], G protein-coupled receptor, chemokine (C-X-C motif), receptor 4 (fusin), chemokine (C-X-C) receptor 4
2097	20249 NM_022205			ESTs, Weakly similar to CX3C chemokine receptor [Rattus norvegicus] [R.norvegicus], G protein-coupled receptor, chemokine (C-X-C motif), receptor 4 (fusin), chemokine (C-X-C) receptor 4
1223	6969 AI170244	hh		ESTs, Weakly similar to g1-related zinc finger protein [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:3996746, mRNA, partial cds, g1-related zinc finger protein, similar to RIKEN cDNA 1300002C13
1102	5969 A1102520	b, l, m, bb, kk		ESTs, Weakly similar to GABA(A) receptor-associated protein like 2, ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptor-associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein [H.sapiens], ESTs, Weakly similar to A4:1060 neural cell adhesion molecule L1 precursor [H.sapiens], ESTs, Weakly similar to S36126 neural cell adhesion molecule L1 - rat [R.norvegicus], L1 cell adhesion molecule [Mus musculus] [M.musculus], ESTs, Weakly similar to A4:1060 neural cell adhesion molecule [Sylvius 1, MASA (mental retardation, hydrocephalus, stenosis of aqueduct of Sylvius 1, MASA (mental retardation, aphasia, shuffling gait and adducted thumbs) syndrome, spastic paraplegia 1), close homolog of L1, neuronal cell adhesion molecule
895	15904 A1013971	l, m		ESTs, Weakly similar to mitochondrial processing peptidase beta [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 3110004O18 gene, mitochondrial processing peptidase beta, peptidase (mitochondrial processing) beta, ubiquinol-cytochrome c reductase core protein 1, ubiquinol-cytochrome c reductase core protein 1
2113	18221 NM_022395	cc, dd		ESTs, Weakly similar to S100 calcium-binding protein A9 (calgranulin B); intracellular calcium-binding protein (MRP14) [Rattus norvegicus] [R.norvegicus], S100 calcium binding protein A13, S100 calcium binding protein A7 (psoriasin 1), S100 calcium binding protein A9 (calgranulin B)
2403	21445 NM_053587	a, e, Y, Z, ee, ff		

TABLE 3					Atty. Ref. 44921-5090-01-WO/2105485
SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2106	18246	NM_022300	hh		ESTs, Weakly similar to Ser/Arg-related nuclear matrix protein; plenty-of-prolines-101; serine/arginine repetitive matrix protein 1 [Mus musculus] [M.musculus], Mus musculus, Similar to hypothetical protein MGC13125, clone MGC:38070 IMAGE:5252666, mRNA, complete cds, brain abundant, membrane attached signal protein 1, expressed sequence AI480556, glucocorticoid-induced gene 1, serine/arginine repetitive matrix 1
2349	19768	NM_031986	f, g, cc, dd		ESTs, Weakly similar to syntenin [Rattus norvegicus] [R.norvegicus], syndecan binding protein, syndecan binding protein (syntenin), syndecan binding protein (syntenin) 2
2436	20421	NM_053821	f, ii		ESTs, Weakly similar to v-rat simian leukemia viral oncogene homolog B (ras related) [Rattus norvegicus] [R.norvegicus], v-rat simian leukemia viral oncogene homolog B (ras related), v-rat simian leukemia viral oncogene homolog B (ras related; GTP binding protein)
187	7749	AA848804	kk		ESTs, Weakly similar to f607338A transcription factor BTTF3a [H.sapiens], Mus musculus, basic transcription factor 3, clone MGC:6799 IMAGE:2648048, mRNA, complete cds, RIKEN cDNA 1700054E11 gene, RIKEN cDNA 5730434I03 gene, basic transcription factor 3
1562	2887	AI235877	s, t		ESTs, Weakly similar to 2019405A upstream regulator element-binding protein [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:12070 IMAGE:3708271, mRNA, complete cds, RIKEN cDNA 1110018G07 gene, RIKEN cDNA 2810411E22 gene, RIKEN cDNA 443241E13 gene, RIKEN cDNA 4930431E10 gene, expressed sequence AW212605, upstream regulatory element binding protein 1
2210	8815	NM_030991	aa, bb		ESTs, Weakly similar to 2122232A Lasp-1 protein [H.sapiens], LIM and SH3 protein 1, RIKEN cDNA 1200007O21 gene
2481	919	NM_057125	l, m		ESTs, Weakly similar to 2204387A peroxisome assembly factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], RIKEN cDNA 48334413G10 gene, expressed sequence AI195026, peroxisomal biogenesis factor 6, peroxisome biogenesis factor 1, valosin containing protein

TABLE 3				
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1549	18444 AI234915	ii		ESTs, Weakly similar to A2M1_2 pI1.2 hypothetical protein - rat [R.norvegicus], ESTs, Weakly similar to AF191020 1 E21G5 [H.sapiens], RIKEN cDNA 2310056P07 gene, RIKEN cDNA 9430073N08 gene, hypothetical protein, estradiol-induced
2439	16099 NM_053837	f, r, cc, dd		ESTs, Weakly similar to A2M1_HUMAN Clathrin coat assembly protein AP50 (Clathrin coat associated protein AP50) (Plasma membrane adaptor AP-2 50 kDa protein) (HA2 50 kDa subunit) (Clathrin assembly protein complex 2 medium chain) (AP-2 mu 2 chain) [R.norvegicus], adaptor protein complex AP-1, mu 2 subunit, adaptor protein complex AP-2, mu1, adaptor-related protein complex 1, mu 2 subunit, adaptor-related protein complex 2, mu 1 subunit, adaptor-related protein complex AP-1, mu subunit 1, adaptor-related protein complex AP-4, mu 1, stonin 2 ESTs, Weakly similar to A54854 Ras GTPase activating protein-related protein [H.sapiens]
106	17987 AA800671	u		ESTs, Weakly similar to A55190 transitional endoplasmic reticulum ATPase (EC 3.6.1.-) [validated] - rat [R.norvegicus], ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], Homo sapiens spermatogenesis associated factor (SPAF) mRNA, complete cds, RIKEN cDNA 4833413G10 gene, RIKEN cDNA 4933439B08 gene, expressed sequence AI195026, katanin p60 (ATPase-containing) subunit A1, nuclear VCP-like, peroxisome biogenesis factor 1, spermatogenesis associated factor, valosin containing protein, valosin-containing protein
2445	18357 NM_053864	n, o		ESTs, Weakly similar to A55571 chloride conductance inducer Mat-8 [H.sapiens], FXYD domain-containing ion transport regulator 3, FXYD domain-containing ion transport regulator 4
2108	695 NM_022388	u, v		ESTs, Weakly similar to A55817 cyclin-dependent kinase p130-PITSRE - mouse [M.musculus], RIKEN cDNA 2600011L02 gene, RIKEN cDNA A930036K24 gene, aldehyde dehydrogenase family 5, subfamily A1, cell division cycle 2 homolog (S.pombe)-like 2, expressed sequence AI255170, scaffold attachment factor B
2112	23061 NM_022394	s, t		

TABLE 3

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1654	19053 D12770	aa, bb		ESTs, Weakly similar to ADT1 MOUSE ADP,ATP CARRIER PROTEIN, HEART/SKELETAL MUSCLE ISOFORM T1 [M.musculus], <i>Mus musculus</i> , Similar to RIKEN cDNA 17000666C05 gene, clone MGC:28125 MAGE:3980327, mRNA, complete cds, RIKEN cDNA 1700034J06 gene, solute carrier family 25 (mitochondrial carrier, Aralar), member 12, solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 4
2100	6263 NM_022251	jj, kk		ESTs, Weakly similar to AMPE MOUSE GLUTAMYL AMINOPEPTIDASE [M.musculus], aminopeptidase puromycin sensitive, glutamyl aminopeptidase, glutamyl aminopeptidase (aminopeptidase A), puromycin-sensitive aminopeptidase
1575	15051 AI236332	j, k, p, q, y, z, ee, ff		ESTs, Weakly similar to ATDA_HUMAN DIAMINE ACETYL TRANSFERASE [H.sapiens], RIKEN cDNA 2610016A03 gene, spermidine/spermine N1-acetyltransferase
1322	16138 AI176294	cc, dd		ESTs, Weakly similar to B Chain B, Crystal Structure Of The D1d2 Sub-Complex From The Human Smp Core Domain [H.sapiens]
2519	19326 NM_133419	u, v, jj, kk		ESTs, Weakly similar to B41182 collagen alpha 1(II) chain precursor [M.musculus], PUMA/JFY1 protein, RIKEN cDNA 4933407C03 gene, RIKEN cDNA 5730512J02 gene, dyskeratosis congenita 1, dyskerin
2422	15269 NM_053739	d, f, g		ESTs, Weakly similar to BCN1_MOUSE Beclin 1 (Coiled-coil myosin-like BCL2-interacting protein) [M.musculus], RIKEN cDNA 4921513J16 gene, beclin 1 (coiled-coil, myosin-like BCL2 interacting protein), beclin 1 (coiled-coil, myosin-like BCL2-interacting protein)
2379	16017 NM_053401	o, aa		ESTs, Weakly similar to C35826 hypothetical 13K protein A [H.sapiens] X-linked protein, brain expressed X-linked 2, nerve growth factor receptor (TNFRSF16) associated protein 1, reduced expression 3
2379	16018 NM_053401	b, c		ESTs, Weakly similar to C35826 hypothetical 13K protein A [H.sapiens] X-linked protein, brain expressed X-linked 2, nerve growth factor receptor (TNFRSF16) associated protein 1, reduced expression 3
2170	23215 NM_023102	b, l, m		ESTs, Weakly similar to CATZ_HUMAN Cathepsin Z precursor (Cathepsin X) (Cathepsin P) [H.sapiens], cathepsin Z, expressed sequence AU019819
158	4491 AA818798	w, x		

TABLE 3				
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
210	4490 AA851184	n, o		ESTs, Weakly similar to CATZ_HUMAN Cathepsin Z precursor (Cathepsin X) (Cathepsin P) [H.sapiens], cathepsin Z, expressed sequence AU019819
619	20832 AA946040	hh		ESTs, Weakly similar to COXG MOUSE CYTOCHROME C OXIDASE POLYPEPTIDE VIB [M.musculus], Homo sapiens, hypothetical gene LOC125965, clone MGCC33840 IMAGE:4827471, mRNA, complete cds
2195	25070 NM_024392	r, ii		ESTs, Weakly similar to DHB4_MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE 4 [M.musculus], ESTs, Weakly similar to DHB4_HUMAN ESTRADIOL 17 BETA-DEHYDROGENASE 4 [H.sapiens], RIKEN cDNA 1110029G07 gene, RIKEN cDNA 1700010M22 gene, RIKEN cDNA 3110069K09 gene, hydroxysteroid (17-beta) dehydrogenase 4
2413	857 NM_053633	y, z, ee, ff		ESTs, Weakly similar to EGR2 MOUSE EARLY GROWTH RESPONSE PROTEIN 2 [M.musculus], MYC-associated zinc finger protein (purine-binding transcription factor), early growth response 2, early growth response 2 (Krox-20 homolog, Drosophila)
1689	17136 J04035	f, aa, bb		ESTs, Weakly similar to ELS MOUSE ELASTIN PRECURSOR [M.musculus], RIKEN cDNA 4930554K12 gene, elastin, elastin (supravalvular aortic stenosis, Williams-Beuren syndrome)
670	24135 AA957736	n, o		ESTs, Weakly similar to FIBULIN-1 ISOFORM C PRECURSOR [M.musculus], Homo sapiens cDNA FLJ23816 fis, clone HS02685, Homo sapiens cDNA FLJ32009 fis, clone NT2RP7009498, weakly similar to FIBULIN-1, ISOFORM A PRECURSOR, Mus musculus mRNA for CRTAC1-B protein (CRTAC1 gene), RIKEN cDNA 5730592L21 gene, fibulin 5
2498	23551 NM_080698	ii		ESTs, Weakly similar to FMOD_HUMAN FIBROMODULIN PRECURSOR [H.sapiens], fibromodulin, fibronectin leucine rich transmembrane protein 1, fibronectin leucine rich transmembrane protein 2, fibronectin leucine rich transmembrane protein 3, hypothetical protein FLJ23447
2190	15622 NM_024369	f, g		ESTs, Weakly similar to FRP MOUSE FOLLISTATIN-RELATED PROTEIN PRECURSOR [M.musculus], follistatin-like, follistatin-like 1
2190	15623 NM_024369	r		ESTs, Weakly similar to FRP MOUSE FOLLISTATIN-RELATED PROTEIN PRECURSOR [M.musculus], follistatin-like, follistatin-like 1

TABLE 3 Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1177	7122 AJ137468	gg		ESTs, Weakly similar to GPV_RAT Platelet glycoprotein V precursor (GPV) (CD42D) [R.norvegicus], Platelete glycoprotein 5, RIKEN cDNA 1300018K11 gene, RIKEN cDNA 2610528G05 gene, RIKEN cDNA 5430427N11 gene, carboxypeptidase N, polypeptide N, polypeptide 2, 83kD, glycoprotein 5 (platelet), glycoprotein V (platelet), hypothetical protein FLJ12568, leucine-rich alpha-2-glycoprotein
2639	20818 X02904	ii		ESTs, Weakly similar to GTP_RAT Glutathione S-transferase P (GST7-7) (Chain 7) (GST class-pi) [R.norvegicus], Mus musculus, clone MGC:37914 IMAGE:5102505, mRNA, complete cds, glutathione S-transferase pi, glutathione S-transferase, pi 2
2048	18761 NM_019250	aa		ESTs, Weakly similar to GUANINE NUCLEOTIDE DISSOCIATION STIMULATOR RAL GDS FORM A [M.musculus], ESTs, Weakly similar to T12453 hypothetical protein DKFZp564D2123.1 [H.sapiens], RIKEN cDNA 1300003D20 gene, RIKEN cDNA 4930573C08 gene, RalGDS-like gene, ral guanine nucleotide dissociation stimulator, ral guanine nucleotide dissociation stimulator-like 1
2573	9775 NM_139334	c		ESTs, Weakly similar to HOMEobox PROTEIN HOXA2 [M.musculus], even skipped homeotic gene 2 homolog, expressed sequence A1894218, homeo box A11, homeo box A2, homeo box B2
1752	1708 NM_012581	ii		ESTs, Weakly similar to HOMEobox PROTEIN HOXA2 [M.musculus], even skipped homeotic gene 2 homolog, expressed sequence A1894218, homeo box A11, homeo box A2, homeo box B2
				ESTs, Weakly similar to I56519 [taipoxin-associated calcium binding protein-49 precursor - rat [R.norvegicus], Homo sapiens cDNA FLJ14474 f1s, clone MAMMA1001256, calumenin, reticulocalbin 1, EF-hand calcium binding domain, reticulocalbin 2, reticulocalbin 2, EF-hand calcium binding domain
1648	7602 AJ001929	f, aa		ESTs, Weakly similar to I57A_RAT Mitochondrial import inner membrane translocase subunit TIM17 A [R.norvegicus], translocase of inner mitochondrial membrane 17 homolog A (yeast), translocase of inner mitochondrial membrane 17 homolog B (yeast), translocator of inner mitochondrial membrane 17 kDa, a
741	11745 AB006450	hh, jj, kk		

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2385	15556 NM_053483	kk		ESTs, Weakly similar to IMPORTIN ALPHA-2 SUBUNIT [M.musculus], karyopherin (importin) alpha 2, karyopherin (importin) alpha 3, karyopherin (importin) alpha 4, karyopherin alpha 2 (RAG cohort 1, importin alpha 1), karyopherin alpha 3 (importin alpha 4), karyopherin alpha 4 (importin alpha 4), karyopherin alpha 5 (importin alpha 6)
1385	16668 AI178751	ii		ESTs, Weakly similar to JC5251 beta-galactoside alpha-2,3-sialyltransferase [H.sapiens], sialyltransferase, sialyltransferase 4A (beta-galactosidase alpha-2,3-sialyltransferase), sialyltransferase 4B (beta-galactosidase alpha-2,3-sialyltransferase), sialyltransferase 5, sialyltransferase 7 ((alpha-N-acetylneuraminyl 2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) A, sialyltransferase 7 ((alpha-N-acetylneuraminyl 2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) B, sialyltransferase 7D ((alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase)
2313	16663 NM_031695	s		ESTs, Weakly similar to JC5251 beta-galactoside alpha-2,3-sialyltransferase [H.sapiens], sialyltransferase, sialyltransferase 4A (beta-galactosidase alpha-2,3-sialyltransferase), sialyltransferase 4B (beta-galactosidase alpha-2,3-sialyltransferase), sialyltransferase 5, sialyltransferase 7 ((alpha-N-acetylneuraminyl 2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) A, sialyltransferase 7 ((alpha-N-acetylneuraminyl 2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) B, sialyltransferase 7D ((alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase)
171	6281 AA819517	hh		ESTs, Weakly similar to JC5707 HYA22 protein [H.sapiens], hypothetical protein BC010736
1247	5953 AI171231	s, t		ESTs, Weakly similar to JC7328 amino acid transporter A1 [H.sapiens], Homo sapiens clone 24674 mRNA sequence, solute carrier family 38, member 1, solute carrier family 38, member 2
1817	187 NM_012903	r		ESTs, Weakly similar to LANP_RAT Leucine-rich acidic nuclear protein [R.norvegicus], acidic (leucine-rich) nuclear phosphoprotein 32 family, member A, acidic nuclear phosphoprotein 32, cerebellar ataxia 3, hypothetical gene MGC16309, small nuclear ribonucleoprotein polypeptide A'

TABLE 3					AltRef 44921-5090-01-WO/2105485
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2324	16003 NM_031757	c		ESTs, Weakly similar to MM24_MOUSE MATRIX METALLOPROTEINASE-24 PRECURSOR (MMP-24) (MEMBRANE-TYPE MATRIX METALLOPROTEINASE 5) (MT-MMP 5) (MEMBRANE-TYPE-5 MATRIX METALLOPROTEINASE) (MT5-MMP) (MMP-21) [M.musculus], matrix metalloproteinase 17, matrix metalloproteinase 19, matrix metalloproteinase 24, matrix metalloproteinase 24 (membrane-inserted)	
747	1097 AF016296	e, j, k, cc, dd, kk		ESTs, Weakly similar to NRP1_HUMAN NEUROPILIN-1 PRECURSOR [H.sapiens], neuropilin, neuropilin 1, platelet derived growth factor C	
2416	1316 NM_053656	s, t, ii		ESTs, Weakly similar to P2X6 MOUSE P2X PURINOCEPTOR 6 [M.musculus], purinergic receptor P2X, ligand-gated ion channel, 2, purinergic receptor P2X, ligand-gated ion channel, 5	
2450	753 NM_053897	ee, ff, gg		ESTs, Weakly similar to PAR3_MOUSE PROTEINASE ACTIVATED RECEPTOR 3 PRECURSOR [M.musculus], coagulation factor II (thrombin) receptor-like 1, coagulation factor II (thrombin) receptor-like 2	
2392	15829 NM_053551	e, n, o, p, q, r, aa, bb		ESTs, Weakly similar to PDK4_MOUSE [PYRUVATE DEHYDROGENASE LIPOAMIDE] KINASE ISOZYME 4, MITOCHONDRIAL PRECURSOR (PYRUVATE DEHYDROGENASE KINASE ISOFORM 4) [M.musculus], pyruvate dehydrogenase kinase 4, pyruvate dehydrogenase kinase, isoenzyme 4	
1665	1356 D83538	u, v		ESTs, Weakly similar to NT2RM4001313, moderately similar to FLJ12591 f1, clone PK3G_RAT Phosphatidylinositol 3-kinase C2 domain-containing gamma polypeptide (Phosphoinositide 3-Kinase-C2-gamma) (Ptols-3-kinase C2 gamma) (R.norvegicus), Homo sapiens cDNA PHOSPHATIDYLINOSITOL 3-KINASE VPS34-LIKE (EC 2.7.1.137), phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide, phosphatidylinositol 3-kinase, catalytic, alpha polypeptide, phosphatidylinositol 4-kinase, catalytic, beta polypeptide, phosphatidylinositol-3-kinase, class 2, gamma polypeptide	
2593	12700 NM_152936	h, l		ESTs, Weakly similar to PSG1 MOUSE PROSTATIC SECRETORY GLYCOPROTEIN PRECURSOR [M.musculus], RIKEN cDNA 2310065D10 gene, serine protease inhibitor, Kazal type 1, serine protease inhibitor, Kazal type 3	

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2264	239 NM_031152	e		ESTs, Weakly similar to R11A_HUMAN Ras-related protein Rab-11A (RAB-11) (24KG) (YL8) [R.norvegicus], RAB11A, member RAS oncogene family, RAB11a, member RAS oncogene family, RAB25, member RAS oncogene family, expressed sequence AW496496
2241	20807 NM_031106	f, g		ESTs, Weakly similar to R6RT37 ribosomal protein L37, cytosolic [validated] - rat [R.norvegicus], RIKEN cDNA 1500002F19 gene, RIKEN cDNA 3110005M08 gene, ribosomal protein L37
892	7299 A1013911	t		ESTs, Weakly similar to RBM3 MOUSE PUTATIVE RNA-BINDING PROTEIN 3 [M.musculus], Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310074E15:RNA binding motif protein 3, full insert sequence, RNA binding motif protein 3, RNA binding motif protein, X chromosome, RNA binding motif protein, X chromosome retrogene, cold inducible RNA binding protein, cold inducible RNA-binding protein
1462	9412 A1230691	f, g		ESTs, Weakly similar to RL34_HUMAN 60S RIBOSOMAL PROTEIN L34 [H.sapiens], ESTs, Weakly similar to RL34_RAT 60S RIBOSOMAL PROTEIN L34 [R.norvegicus], RIKEN cDNA 1100001I22 gene, ribosomal protein L34
1282	23390 A1172328	e		ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila)
996	10070 A058505	u, v		ESTs, Weakly similar to RRM1_HUMAN PUTATIVE RIBOSOMAL RNA METHYL TRANSFERASE 1 [H.sapiens], FtsJ homolog 2 (E. coli)
681	2211 AA9663834	l, m		ESTs, Weakly similar to S105_MOUSE S100 calcium-binding protein A5 (S-100D protein) [R.norvegicus], S100 calcium binding protein A5
1433	1473 A1228548	aa		ESTs, Weakly similar to S10A MOUSE S-100 PROTEIN, ALPHA CHAIN [M.musculus], S100 calcium binding protein A1, S100 calcium binding protein A11 (calizzarin), S100 calcium binding protein P, S100Z protein, expressed sequence AI266795

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2342	1475	NM_031971	a, p, q, ee, ff		ESTs, Weakly similar to S10A MOUSE S-100 PROTEIN, ALPHA CHAIN [M.musculus], S100 calcium binding protein A1, S100 calcium binding protein A1 (calizzarin), S100 calcium binding protein P, S100Z protein, expressed sequence AI266795
391	11992	AA892485	f		ESTs, Weakly similar to S21766 dihydrolipoamide S-acetyltransferase (EC 2.3.1.12) - rat (fragment) [R.norvegicus]. Mus musculus, clone IMAGE:3586777, mRNA, partial cds. Pyruvate dehydrogenase complex, lipoyl-containing component X; E3-binding protein, RIKEN cDNA 1600017E01 gene, RIKEN cDNA 4930529O08 gene, dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease), dihydrolipoamide branched chain transacylase E2, pyruvate dehydrogenase complex, component X
1653	5049	D10655	g, w, cc, dd, jj, kk		ESTs, Weakly similar to S21766 dihydrolipoamide S-acetyltransferase (EC 2.3.1.12) - rat (fragment) [R.norvegicus]. Mus musculus, clone IMAGE:3586777, mRNA, partial cds. Pyruvate dehydrogenase complex, lipoyl-containing component X; E3-binding protein, RIKEN cDNA 1600017E01 gene, RIKEN cDNA 4930529O08 gene, dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease), dihydrolipoamide branched chain transacylase E2, pyruvate dehydrogenase complex, component X
1653	5050	D10655	f, g, cc, dd		ESTs, Weakly similar to S21766 dihydrolipoamide S-acetyltransferase (EC 2.3.1.12) - rat (fragment) [R.norvegicus]. Mus musculus, clone IMAGE:3586777, mRNA, partial cds. Pyruvate dehydrogenase complex, lipoyl-containing component X; E3-binding protein, RIKEN cDNA 1600017E01 gene, RIKEN cDNA 4930529O08 gene, dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease), dihydrolipoamide branched chain transacylase E2, pyruvate dehydrogenase complex, component X
2225	15957	NM_031050	c, ii	—	ESTs, Weakly similar to S52284 lumican, secretory interstitial proteoglycan precursor - rat [R.norvegicus], dermatan sulfate proteoglycan 3, dermatan sulphate proteoglycan 3, lumican

Atty. Ref.: 44921-5090-01-WO2105485

TABLE 3

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
756	2947 AF099093	u, v		ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2, 17kB - rat [R.norvegicus], RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028I17 gene, pretoxinin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5), ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)
1953	13392 NM_017148	e		ESTs, Weakly similar to S53530 cysteine-rich protein - rat [R.norvegicus], RIKEN cDNA 0610025l06 gene, cysteine and glycine-rich protein 1, cysteine rich protein ESTs, Weakly similar to T12433 hypothetical protein DKFZp564B0769.1 [H.sapiens]. Homo sapiens, clone MGC:16721 IMAGE:4128659, mRNA, complete cds, KIAA1604 protein, SR rich protein
545	3997 AA925771	ii		ESTs, Weakly similar to T46332 hypothetical protein DKFZp434H0413.1 [H.sapiens], Homo sapiens, clone MGC:9709 IMAGE:3850147, mRNA, complete cds, KIAA1253 protein, expressed sequence AW121759, expressed sequence C86123
59	18226 AA799641	I		ESTs, Weakly similar to TGR3_HUMAN TGF-BETA RECEPTOR TYPE III PRECURSOR [H.sapiens], Homo sapiens cDNA FLJ33157 fis, clone UTERU2000393, endoglin
722	2757 AA997851	bb, II		ESTs, Weakly similar to TIE1 MOUSE TYROSINE-PROTEIN KINASE RECEPTOR TIE-1 PRECURSOR [M.musculus], Homo sapiens cDNA: FLJ23028 fis, clone LNG01852, highly similar to HSU08023 Human cellular proto-oncogene (c-mer) mRNA, RYK receptor-like tyrosine kinase, c-mer proto-oncogene tyrosine kinase, receptor-like tyrosine kinase, tyrosine kinase receptor 1, tyrosine kinase with immunoglobulin and epidermal growth factor homology domains
902	3625 A028954	ii		ESTs, Weakly similar to TMOD MOUSE TROPOMODULIN [M.musculus], leiomodin 2 (cardiac), tropomodulin
1262	11696 A117174	jj, kk		ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], Homo sapiens spermatogenesis associated factor (SPAF) mRNA, complete cds, RIKEN cDNA 4833413G10 gene, RIKEN cDNA 4933439B08 gene, expressed sequence AI195026, katanin p60 (ATPase-containing) subunit A1, nuclear VCP-like, peroxisome biogenesis factor 1, spermatogenesis associated factor, valosin containing protein, valosin-containing protein
1496	7036 A1231801	n, o, cc, dd		

TABLE 3 Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2470	17431 NM_054006	cc, dd		ESTs, Weakly similar to UNR PROTEIN [R.norvegicus], Mus musculus, clone MGC:19174 IMAGE:4224466, mRNA, complete cds, NRAS-related gene
2394	11843 NM_053555	n, o, s		ESTs, Weakly similar to VAM5_HUMAN VESICULE-ASSOCIATED MEMBRANE PROTEIN 5 (VAMP-5) (MYOBREVIN) (HSPC191) [H.sapiens], vesicle-associated membrane protein 5, vesicle-associated membrane protein 5 (myobrevin)
2061	52 NM_019335	d		ESTs, Weakly similar to WEE1-LIKE PROTEIN KINASE [M.musculus], NIMA (never in mitosis gene a)-related expressed kinase 4, eukaryotic translation initiation factor 2 alpha kinase 2, protein kinase, interferon-inducible double stranded RNA dependent
1844	24718 NM_013003	ii		expressed sequence AI255394, phosphatidylethanolamine N-methyltransferase
928	19257 A1030775	m		expressed sequence AI323765, histocompatibility 2, class II antigen E alpha, major histocompatibility complex, class II, DR alpha
1709	19255 M15562	c		expressed sequence AI323765, histocompatibility 2, class II antigen E alpha, major histocompatibility complex, class II, DR alpha
1709	19256 M15562	c		expressed sequence AI323765, histocompatibility 2, class II antigen E alpha, major histocompatibility complex, class II, DR alpha
1028	4967 A1070179	w, x		expressed sequence AI324845, glia maturation factor, gamma
2451	15706 NM_053921			expressed sequence AI451906, peroxisomal biogenesis factor 12
1717	9223 M36151	c		expressed sequence AI845868, histocompatibility 2, class II antigen A, beta 1, major histocompatibility complex, class II, DO beta, major histocompatibility complex, class II, DQ beta 1
298	16419 AA875102	d		expressed sequence AL022645, expressed sequence C76690, small nuclear ribonucleoprotein E, small nuclear ribonucleoprotein polypeptide E
179	320 AA819905	hh		expressed sequence AU022220, stearoyl-CoA desaturase (delta-9-desaturase), stearoyl-Coenzyme A desaturase 1, stearoyl-coenzyme A desaturase 3
128	11166 AA801346	n, o		expressed sequence AU042020, plexin B1, plexin B2, plexin B3
2507	1809 NM_130741	l, k		expressed sequence AW212229, lipocalin 2 (oncogene 24p3)
2254	1816 NM_031134	l, m		expressed sequence AW259572, thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)
360	16023 AA891872	w, x		expressed sequence BB168308, nicotinamide nucleotide transhydrogenase fatty acid binding protein 5 (psoriasis-associated), fatty acid binding protein 5, epidermal
1306	19004 AI175875	aa, bb		

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1306	19005/AI175875	ii		fatty acid binding protein 5 (psoriasis-associated), fatty acid binding protein 5, epidermal
1327	19006/AI176393	aa, bb, ll		fatty acid binding protein 5 (psoriasis-associated), fatty acid binding protein 5, epidermal
2587	20740/NM_145878	d, j, k, t, bb, gg, kk, ll		fatty acid binding protein 5 (psoriasis-associated), fatty acid binding protein 5, epidermal
2004	24248/NM_017332	e, gg		fatty acid synthase, hypothetical protein FLJ20604
2676	16725/X73371	e, jj, kk		Fc fragment of IgG, low affinity IIb, receptor for (CD32), Fc receptor, IgG, low affinity IIb, Mus musculus FCRL mRNA, complete cds, expressed sequence AI528646, immunoglobulin superfamily receptor translocation associated 2
718	3250/AA997765	h, l, ll		fibrillin 1, fibrillin 1 (Marfan syndrome), fibulin 2
585	21998/AA944398	gg		fibulin 2
		a, o, q, y, ee, ff, hh, jj, kk		
71	11530/AA799773	a, o, q, z, ff, hh, kk		filamin A, alpha (actin binding protein 280)
71	11531/AA799773			filamin A, alpha (actin binding protein 280)
1651	20519/C06598	aa, bb		FK506 binding protein 1A (12kDa), FK506 binding protein 1a (12kDa), FK506 binding protein 2 (13 kDa), FK506 binding protein 2 (13kD), FK506 binding protein 4 (59 kDa), FK506 binding protein 5 (51 kDa)
844	13093/AI012177	h, l		FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene
1170	13090/AI136977	cc, dd		FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene
1487	13092/AI231547	jj, kk		FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene
1495	23165/AI231799	y, z		Friedreich ataxia region gene X123
1789	13731/NM_012755	r		FYN oncogene related to SRC, FGR, YES, Fyn proto-oncogene
				FYVE zinc finger phosphatase, Mus musculus, clone IMAGE:3668035, mRNA, partial cds, Mus musculus, clone MGC:27983 IMAGE:3596732, mRNA, complete cds, X-linked myotubular myopathy gene 1, myotubular myopathy 1
829	13296/AU011020	ll		G protein-coupled receptor
1241	12695/AI170948	q		

Atty. Ref. 44921-5090-01-WO2105485

SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1900	18313	NM_013220	a, kk		GA binding protein transcription factor, beta subunit 1 (53kD), GA binding protein transcription factor, beta subunit 2 (47kD), Homo sapiens cDNA FLJ32449 firs, clone SKMUS2001662, moderately similar to Onycholagus cuniculus CARP mRNA, RIKEN cDNA 1700012M14 gene, RIKEN cDNA 4933432B13 gene, ankyrin repeat domain 2 (stretch responsive muscle), ankyrin repeat domain 5, cardiac ankyrin repeat protein, cardiac responsive adriamycin protein
2081	25445	NM_021654	r		gap junction membrane channel protein alpha 4, gap junction protein, alpha 4, 37kD (connexin 37)
912	7451	A1029450	y, z		glutamyl-prolyl-tRNA synthetase
2669	16780	X62660	c, f, g		glutathione S-transferase A4, glutathione S-transferase, alpha 4
1232	11585	A1170502	r		Glycogen synthase 2 (liver), Mus musculus, clone MGC:29379 IMAGE:5051685, mRNA, complete cds, glycogen synthase 1 (muscle), glycogen synthase 1, muscle, glycogen synthase 3, brain
2063	22675	NM_019358	a, n, o, kk		glycoprotein 38, lung type-I cell membrane-associated glycoprotein
1161	2296	A112979	w, x		GM2 ganglioside activator protein
2539	606	NM_134352	a, y, z		GPI-anchored metastasis-associated protein homolog, plasminogen activator, urokinase receptor, urokinase plasminogen activator receptor
121	16852	AA801130	h, l		GRB2-related adaptor protein, GRB2-related adaptor protein 2, SH3 domain protein 3, Sh3 domain YSC-like 1, growth factor receptor bound protein 2, growth factor receptor-bound protein 2, monocytic adaptor
2204	18023	NM_030846	b		GRB2-related adaptor protein, GRB2-related adaptor protein 2, SH3 domain protein 3, Sh3 domain YSC-like 1, growth factor receptor bound protein 2, growth factor receptor-bound protein 2, monocytic adaptor
2325	14185	NM_031776	kk		guanine deaminase
307	15887	AA875225	e		guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3
307	15888	AA875225	e, gg		guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3

TABLE 3 Atty. Ref. 44921-5090-01-WO2105485

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2221	15886 NM_031035	r, bb, ll		guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3
1178	18943 AI137495	d		H2A histone family, member C, H2A histone family, member D, H2A histone family, member I, H2A histone family, member L, H2A histone family, member N, H2A histone family, member O, Homo sapiens, clone MGC:21597 IMAGE:4511035, mRNA, complete cds, Mus musculus, similar to H2A histone family, member O, clone MGC:36202 MAGE:5055276, mRNA, complete cds, expressed sequence R7370
408	20065 AA892247	c, d, r		H4 histone family, member D, H4 histone family, member H, H4 histone family, member I, H4 histone family, member J, H4 histone family, member K, Mus musculus, H4 histone family, member A, clone MGC:30488 IMAGE:4205460, mRNA, complete cds, histone 4 protein
2149	20506 NM_022686	d		H4 histone family, member D, H4 histone family, member H, H4 histone family, member I, H4 histone family, member J, H4 histone family, member K, Mus musculus, H4 histone family, member A, clone MGC:30488 IMAGE:4205460, mRNA, complete cds, histone 4 protein
2149	6121 NM_022686	d, r		H4 histone family, member D, H4 histone family, member H, H4 histone family, member I, H4 histone family, member J, H4 histone family, member K, Mus musculus, H4 histone family, member A, clone MGC:30488 IMAGE:4205460, mRNA, complete cds, histone 4 protein
1285	2208 AI172472	cc, dd		HCC42 protein
1270	9538 AI172097	l, m		heat shock factor 1, heat shock transcription factor 1
		j, k, ee, ff, jj,		HIF-1 responsive RTP801, Homo sapiens, Similar to RIKEN cDNA 1700037B15 gene, clone MGC:9960 IMAGE:3877854, mRNA, complete cds
2493	8820 NM_080399	kk		high density lipoprotein binding protein (villin)
2637	23282 U90725	hh		histone deacetylase 1, histone deacetylase 2, histone deacetylase 3
2381	6712 NM_053448	cc, dd		HMB4-inducible
1471	8036 AI23084	r		Homo sapiens cDNA FLJ12045 fts, clone HEMBB1001957, RIKEN cDNA 1200011N24 gene, optic atrophy 1 (autosomal dominant)
2531	24609 NM_133585	cc, dd		Homo sapiens cDNA FLJ12570 fts, clone NT2RM4000995
1321	12999 AI176276	h, l, p, q, y, z, gg		

TABLE 3

Atty. Ref. 44921-5090-01-WO/2010/485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
835	3941 A011598	t, kk		Homo sapiens cDNA FLJ14042 fis, clone HEMBA1006038, weakly similar to LAMININ ALPHA-5 CHAIN, expressed sequence AA408762, expressed sequence AI853660, laminin, alpha 5
2556	17530 NM_138877	n, o, ii		Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH)
2556	17532 NM_138877	j, k		Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH)
2556	25039 NM_138877	ee, ff		Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH)
727	3353 AA998053	ii		Homo sapiens cDNA FLJ14455 fis, clone HEMBB1001908, highly similar to Human monocytic leukaemia zinc finger protein (MOZ) mRNA, zinc finger protein 220
2404	20896 NM_053592	h, l		Homo sapiens cDNA FLJ28344 fis, clone TST01087, RIKEN cDNA 5031412/06 gene
221	19159 AA851953	u, v		Homo sapiens cDNA FLJ308862 fis, clone FEBRA2003675
2163	15697 NM_022939			Homo sapiens cDNA FLJ31164 fis, clone KIDNE1000104, weakly similar to SYNTAXIN 7, expressed sequence AU041521, syntaxin 12, syntaxin 16, syntaxin 7 SPLICEOSOME ASSOCIATED PROTEIN 49
309	15410 AA875268	jj, kk		Homo sapiens cDNA FLJ31499 fis, clone NT2NE2005441, weakly similar to INTESTINAL MEMBRANE A4 PROTEIN, hypothetical protein BC013109
887	22592 A013740	n, o, w, x		Homo sapiens cDNA FLJ32122 fis, clone PEBLM1000144, moderately similar to Trg, KIAA1058 protein, erythroid differentiation regulator, expressed sequence AA953601, expressed sequence RT5174
2673	602 X68101	ee, ff		

TABLE 3 Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2571	22995 NM_139253	cc, dd		Homo sapiens cDNA FLJ32237 fis, clone PLACE004966, Human transposon-like element mRNA
1240	21284 AI170842	hh		Homo sapiens cDNA FLJ32449 fis, clone SKMUS2001662, moderately similar to Oryctolagus cuniculus CARP mRNA, ankyrin repeat domain 2 (stretch responsive muscle), ankyrin repeat domain 5, cardiac ankyrin repeat protein
1600	16340 AI638955	hh		Homo sapiens cDNA FLJ32493 fis, clone SKNSH200051, RNA binding motif protein 9, fox-1 homolog (<i>C. elegans</i>)
241	23340 AA859519	d, h, l		Homo sapiens cDNA FLJ32971 fis, clone TESTI2008847
1670	20456 H31144	j, k		Homo sapiens cDNA: FLJ21251 fis, clone CLO107259, Homo sapiens, Similar to activated p21/cdc42Hs kinase, clone MGC:15139 IMAGE:4302390, mRNA, complete cds
898	15247 AI014169	aa, bb		Homo sapiens cDNA: FLJ22783 fis, clone KIAA1993, Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 703547, Homo sapiens mRNA; cDNA DKFZp434B102 (from clone DKFZp434B102), KIAA1376 protein
492	14712 AA900860	ee, ff		Homo sapiens mRNA for FLJ0083 protein, partial cds, RIKEN cDNA 2610312E17 gene, RIKEN cDNA 2810047L02 gene, WD repeat domain 5, WD repeat domain 5B, glutamate rich WD repeat protein GRWD, hypothetical protein FLJ11848, peroxisome biogenesis factor 7, recombination protein REC14
1594	3615 AI237645	t		Homo sapiens mRNA; cDNA DKFZp434M2227 (from clone DKFZp434M2227), Homo sapiens prostate-specific membrane antigen PSM mRNA, exon 6 alternative splice variant, partial cds, RIKEN cDNA 2610028K12 gene, transferrin receptor
1721	24844 M58040	u, v		Homo sapiens mRNA; cDNA DKFZp434M2227 (from clone DKFZp434M2227), Homo sapiens mRNA; cDNA DKFZp566P2324 (from clone DKFZp566P2324), Homo sapiens, clone MGC:21553 IMAGE:4155396, mRNA, complete cds, KIAA0193 gene product, hypothetical protein BC002980, hypothetical protein FLJ23142
513	4917 AA924140	l, m		Homo sapiens PNAS-29 mRNA, complete cds, WD repeat domain 1
543	4285 AA925708	r, y, z, jj, kk		

TABLE 3

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2569	18108 NM_139105	a, n, o, ll		Homo sapiens PP1579 mRNA, complete cds, Mus musculus, clone MGC:6299 IMAGE:2654341, mRNA, complete cds, expressed sequence AW546468, expressed sequence C80305, ribonuclease/angiogenin inhibitor
2169	9286 NM_023027	l, m		Homo sapiens, clone IMAGE:4096427, mRNA, partial cds, heterogeneous nuclear ribonucleoprotein D-like
1239	6982 AI170793	kk		Homo sapiens, clone IMAGE:4245141, mRNA, RIKEN cDNA 1110051A18 gene, deleted in colorectal carcinoma, myopalladin, palladin
1556	14722 AI235284	gg		Homo sapiens, clone IMAGE:5001663, mRNA, partial cds, antigen identified by monoclonal antibodies 12E7, F21 and O13
676	3953 AA963260	s, t		Homo sapiens, clone MGC:11072 IMAGE:3688606, mRNA, complete cds, erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked), erythrocyte protein band 4.1-like 2
262	23347 AA860015	aa, bb		Homo sapiens, clone MGC:12617 IMAGE:2964706, mRNA, complete cds, cyclin M3, cyclin M4
1488	19271 AI231566	s, t		Homo sapiens, clone MGC:18164 IMAGE:4155088, mRNA, complete cds
2572	1803 NM_139256	c		Homo sapiens, clone MGC:19224 IMAGE:4329693, mRNA, complete cds, RIKEN cDNA 1110025H24 gene, mannosidase, alpha, class 2C, member 1
1056	8665 AI071985	ee, ff		Homo sapiens, clone MGC:25063 IMAGE:4480702, mRNA, complete cds
2695	8664 Z75029	y, z, ee, ff		Homo sapiens, clone MGC:25063 IMAGE:4480702, mRNA, complete cds
1486	8004 AI231532	r		Homo sapiens, clone MGC:26599 IMAGE:4828542, mRNA, complete cds, zinc finger protein 183 (RING finger, C3HC4 type)
1592	11375 AI237594	u, v		Homo sapiens, clone MGC:8759 IMAGE:3860953, mRNA, complete cds
2162	2006 NM_022936	aa		Homo sapiens, clone MGC:9615 IMAGE:3922910, mRNA, complete cds, RIKEN cDNA 2310063B19 gene, epoxide hydrolase 2, cytoplasmic, hypothetical protein FLJ11743, hypothetical protein FLJ22408
2162	2008 NM_022936	w, x, aa, bb		Homo sapiens, clone MGC:9619 IMAGE:3922910, mRNA, complete cds, RIKEN cDNA 2310063B19 gene, epoxide hydrolase 2, cytoplasmic, hypothetical protein FLJ11743, hypothetical protein FLJ22408
2144	20959 NM_022598	d, r		Homo sapiens, Similar to RIKEN cDNA 4930513O09 gene, clone MGC:33185 IMAGE:5268882, mRNA, complete cds, Mus musculus, Similar to hypothetical protein DKFZp761J39, clone MGC:11924 IMAGE:359895, mRNA, complete cds, RIKEN cDNA 4930513O09 gene, cellular nucleic acid binding protein, zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2144	20960 NM_022598	c, e, f		Homo sapiens, Similar to RIKEN cDNA 4930513Q09 gene, clone MGC:33185 IMAGE:52698882, mRNA, complete cds, Mus musculus, Similar to hypothetical protein DKFZp7611139, clone MGC:11924 IMAGE:3559595, mRNA, complete cds, RIKEN cDNA 4930513Q09 gene, cellular nucleic acid binding protein, zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)
356	11966 AA891800	hh, jj, kk		hypothetical protein BC008246, inorganic pyrophosphatase, pyrophosphatase (inorganic)
356	18128 AA891800	l, o		hypothetical protein BC008246, inorganic pyrophosphatase, pyrophosphatase (inorganic)
123	21427 AA801181	cc, dd		hypothetical protein DKFZp5640422, hypothetical protein FLJ23151
2581	6731 NM_145096	hh		hypothetical protein DKFZp66702416, hypothetical protein FLJ20984, leukocyte receptor cluster (LRC) member 4, zinc finger, DHHC domain containing 7, zinc finger, DHHC domain containing 9
487	4732 AA900343	cc, dd		hypothetical protein DKFZp761C169, hypothetical protein SP192
378	22903 AA892250	d		hypothetical protein FLJ10514
1176	11238 AI137410	ee, ff		hypothetical protein FLJ12888
716	21119 AA997655	b		hypothetical protein FLJ14566
783	22801 AI009197	e		hypothetical protein IMAGE3455200
430	3879 AA893337	e		hypothetical protein MBC3205
427	17731 AA893194	c, f		hypothetical protein MGC10974
56	20980 AA799633	l, m		hypothetical protein MGC13016
555	9942 AA942997	d		hypothetical protein MGC3133
535	23452 AA925389	gg		hypothetical protein MGC8974
2200	17917 NM_024488	b, v		hypothetical protein, MGC:8303, likely ortholog of rat CDK5 activator-binding protein C53
129	11995 AA801352	h, o		immature colon carcinoma transcript 1
395	11994 AA892507	hh		immature colon carcinoma transcript 1
178	18427 AA819891	gg		inositol 1,4,5-triphosphate receptor, type 1, ryanodine receptor 1 (skeletal), ryanodine receptor 1, skeletal muscle
1720	1586 M57728	c		inositol polyphosphate-5-phosphatase, 72 kDa
1790	15174 NM_012756	m		insulin-like growth factor 2 receptor
696	2492 AA964866	u, v		interferon gamma receptor 2, interferon gamma receptor 2 (interferon gamma transducer 1)

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2430	90591 NM_053783	j, k, kk		interferon gamma receptor, interferon gamma receptor 1
1893	20754 NM_013195	b		interleukin 2 receptor, beta, interleukin 2 receptor, beta chain, interleukin 21 receptor
1279	4278 AI172304	e		interleukin 2 receptor, gamma (severe combined immunodeficiency), interleukin 2 receptor, gamma chain
325	5384 AA891041	j, k, p, q, y, z, kk		Jun-B oncogene, jun B proto-oncogene
2090	20161 NM_021836	j, k, p, q, r		Jun-B oncogene, jun B proto-oncogene
2224	1731 NM_031047	jj, kk		junction plakoglobin
1446	24117 AI229785	cc, dd		keratin 19, keratin complex 1, acidic, gene 19
533	17363 AA925150			KIAA0438 gene product, Mus musculus, clone IMAGE:3499845, mRNA, partial cds, goliath protein, hypothetical protein FLJ20552, hypothetical protein LOC51255, praja 1, praja1, RING-H2 motif containing, rotein carrying the RING-H2 sequence motif, similar to RIKEN cDNA 1300002C13, zinc finger protein 364
2543	7164 NM_134406	jj, kk		KIAA0602 protein, hypothetical protein FLJ20748
471	22490 AA899289	d		KIAA1049 protein
879	22493 AI013466	cc, dd		KIAA1049 protein
886	3445 AI013724	e		KIAA1052 protein, hypothetical protein FLJ13942
35	8289 AA799494	e		KIAA1075 protein, hypothetical protein FLJ14950, tumor endothelial marker 6
2579	15761 NM_145091	cc, dd, jj, kk		KIAA1348 protein, protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform
				KIAA1453 protein, Mus musculus, Similar to ubiquitin specific protease 3, clone MGC:28886 IMAGE:4911201, mRNA, complete cds, RIKEN cDNA 4930511O11 gene, Vhlh-interacting deubiquitinating enzyme 1, ubiquitin specific protease 2, ubiquitin specific protease 20
857	5595 AI012467	u, v		KIAA1894 protein, pregnancy-associated plasma protein A, selectin P (granule membrane protein 140kD, antigen CD62), selectin, platelet
1872	38 NM_013114	aa, bb		Kruppel-like factor 1 (erythroid), Kruppel-like factor 2 (lung), Kruppel-like factor 4 (gut)
2421	13622 NM_053713	aa, bb, ll		Kruppel-like factor 1 (erythroid), Kruppel-like factor 2 (lung), Kruppel-like factor 4 (gut)
2421	22411 NM_053713	d, t		Kruppel-like factor 1 (erythroid), Kruppel-like factor 2 (lung), Kruppel-like factor 4 (gut)
2421	25379 NM_053713	t,		Kruppel-like factor 1 (erythroid), Kruppel-like factor 2 (lung), Kruppel-like factor 4 (gut)

TABLE 3
Atty. Ref. 44921-5090-01.WO/2105485

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
202	19071 AA850524	k	LBP protein 32, hypothetical protein FLJ13782, mammalian grainyhead, upstream binding protein 1	LBP protein 32, hypothetical protein FLJ13782, mammalian grainyhead, upstream binding protein 1
2095	20204 NM_022196	ee, ff, kk	leukemia inhibitory factor, leukemia inhibitory factor (cholinergic differentiation factor)	leukemia inhibitory factor, leukemia inhibitory factor (cholinergic differentiation factor)
1507	409 AI232268	r	low density lipoprotein receptor-related protein associated protein 1, low density lipoprotein-related protein-associated protein 1 (alpha-2-macroglobulin receptor-associated protein 1)	low density lipoprotein receptor-related protein associated protein 1, low density lipoprotein-related protein-associated protein 1 (alpha-2-macroglobulin receptor-associated protein 1)
1589	21653 AI237535	y, z	LPS-induced TNF-alpha factor	LPS-induced TNF-alpha factor
2624	21654 U53184	a, e, j, k, q, y, z, kk	LPS-induced TNF-alpha factor	LPS-induced TNF-alpha factor
880	12233 AI013474	y, z, ee, ff	Lung alpha/beta hydrolase 2	Lung alpha/beta hydrolase 2
1022	8495 AI059971	a, t	lymphotoxin B receptor, lymphotoxin beta receptor (TNFR superfamily, member 3)	lymphotoxin B receptor, lymphotoxin beta receptor (TNFR superfamily, member 3)
2206	16292 NM_030860	cc, dd	MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A), MADS box transcription enhancer factor 2, polypeptide C (myocyte enhancer factor 2C), MADS box transcription enhancer factor 2, polypeptide D (myocyte enhancer factor 2D), myocyte enhancer factor 2A, myocyte enhancer factor 2B, myocyte enhancer factor 2C, myocyte enhancer factor 2D	MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A), MADS box transcription enhancer factor 2, polypeptide C (myocyte enhancer factor 2C), MADS box transcription enhancer factor 2, polypeptide D (myocyte enhancer factor 2D), myocyte enhancer factor 2A, myocyte enhancer factor 2B, myocyte enhancer factor 2C, myocyte enhancer factor 2D
2455	16654 NM_053963	n, o	matrix metalloproteinase 12, matrix metalloproteinase 12 (macrophage elastase), matrix metalloproteinase 26	matrix metalloproteinase 12, matrix metalloproteinase 12 (macrophage elastase), matrix metalloproteinase 26
1561	14642 AI235874	h, l	Microfibril-associated glycoprotein-2, expressed sequence AI893631, microfibril-associated protein 2	Microfibril-associated glycoprotein-2, expressed sequence AI893631, microfibril-associated protein 2
414	17923 AA892843	b	mitochondrial ribosomal protein L24	mitochondrial ribosomal protein L24
227	12829 AA8556695	gg	mitochondrial ribosomal protein S33	mitochondrial ribosomal protein S6
1634	19152 AI639387	cc, dd	Mitogen activated protein kinase 12 (Zipper (leucine) protein kinase), integrin linked kinase, integrin-linked kinase, mitogen activated protein kinase kinase kinase 11, mitogen activated protein kinase kinase kinase 12, mitogen-activated protein kinase kinase kinase 12, mitogen-activated protein kinase kinase kinase 13	Mitogen activated protein kinase 12 (Zipper (leucine) protein kinase), integrin linked kinase, integrin-linked kinase, mitogen activated protein kinase kinase kinase 11, mitogen activated protein kinase kinase kinase 12, mitogen-activated protein kinase kinase kinase 12, mitogen-activated protein kinase kinase kinase 13
85	16712 AA800015	e		

TABLE 3				
SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2518	16713 NM_133409	b		Mitogen activated protein kinase 12 (Zipper (leucine) protein kinase), integrin linked kinase, integrin-linked kinase, mitogen activated protein kinase kinase kinase 11, mitogen activated protein kinase kinase kinase 12, mitogen-activated protein kinase kinase kinase 12, mitogen-activated protein kinase kinase kinase 13
2420	6684 NM_053703	kk		Mitogen activated protein kinase kinase 6, mitogen activated protein kinase kinase 7, mitogen-activated protein kinase kinase 3, mitogen-activated protein kinase kinase 4, mitogen-activated protein kinase kinase 6, mitogen-activated protein kinase kinase 7
332	21928 AA891302	b, l, m		mitogen-activated protein kinase kinase 2
1182	12654 AI137864	cc, dd		MORF-related gene 15
1316	17223 AI176140	r		MORF-related gene 15, RIKEN cDNA 1700060H10 gene, testis expressed gene 189
355	21672 AA891789	f, g		MORF-related gene X
2588	5095 NM_147140	u, v		Mus musculus 0 day neonate head cDNA, RIKEN full-length enriched library, clone:4833446O15:solute carrier family 35 (UDP-galactose transporter), member 2, full insert sequence, Mus musculus, Similar to solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member 3, clone MGC:36317 IMAGE:5150304, mRNA, complete cds, solute carrier family 35 (CMP-sialic acid transporter), member 1
2535	1463 NM_134334	u, v, gg		Mus musculus 10 day old male pancreas cDNA, RIKEN full-length enriched library, clone:1810054L18:kidney-derived aspartic protease-like protein, full insert sequence, cathepsin D, cathepsin D (lysosomal aspartyl protease)
359	7050 AA891824	n, o		Mus musculus 13 days embryo head cDNA, RIKEN full-length enriched library, clone:311005M20:serine/arginine-rich protein specific kinase 2, full insert sequence, Mus musculus adult male lung cDNA, RIKEN full-length enriched library, clone:1200011B22:signal sequence receptor, delta, full insert sequence, serine/threonine kinase 23
2096	20225 NM_022198	b, l, m		Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930547K11:chloride channel 4-2, full insert sequence, chloride channel 4, chloride channel 4-2

TABLE 3				
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1060	18198 Al072063	n, o		Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4432434L04;adaptor protein complex AP-2, alpha 2 subunit, full insert sequence, adaptor protein complex AP-1, gamma 1 subunit, adaptor protein complex AP-1, gamma 2 subunit, adaptor protein complex AP-2, alpha 1 subunit, adaptor protein complex AP-2, alpha 2 subunit, adaptor-related protein complex 1, gamma 1 subunit, adaptor-related protein complex 2, alpha 2 subunit, alpha-c large chain of the protein complex AP-2 associated with clathrin
284	22781 AA874926	hh		Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436k22 gene, protein phosphatase
465	22783 AA894207	r		Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436k22 gene, protein phosphatase
1090	22786 Al101659	gg		Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436k22 gene, protein phosphatase
2367	20235 NM_053302	cc, dd		Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436k22 gene, protein phosphatase
2406	21709 NM_053596	j, k, l, ll		Mus musculus endothelin converting enzyme-2 mRNA, complete cds, endothelin converting enzyme 1, expressed sequence AW322500, mel transforming oncogene-like 1
1369	19184 Al178025	p, q, kk		Mus musculus expressed homeobox mRNA, complete cds, RIKEN cDNA 5430405H02 gene, RIKEN cDNA 5730599O09 gene, TG interacting factor, TGF(beta)-induced transcription factor 2-like, TGFB-induced factor 2 (TALE family homeobox), TGFB-induced factor 2 (TALE family homeobox)
888	16584 Al013765	w, x		Mus musculus, Arrestin, beta 2, clone MGC:6525 IMAGE:2651372, mRNA, complete cds, RIKEN cDNA 1200006i17 gene, arrestin 3, retinal, arrestin, beta 2, expressed sequence A13269j/0, retinal S-antigen
1820	16581 NM_012911	gg		Mus musculus, Arrestin, beta 2, clone MGC:6525 IMAGE:2651372, mRNA, complete cds, RIKEN cDNA 1200006i17 gene, arrestin 3, retinal, arrestin, beta 2, expressed sequence A13269j/0, retinal S-antigen
1965	5676 NM_017188	ee, ff		Mus musculus, clone unc119 homolog (C. elegans), unc119 homolog (C. elegans), mRNA, partial cds
2191	23488 NM_024375	n, o		Mus musculus, clone IMAGE:4224368, mRNA, partial cds, growth differentiation factor 10

Atty. Ref. 44921-5090-01-WO/2105485

TABLE 3

SEQ ID	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
658	23927 AA957707	g		Mus musculus, glutathione S-transferase, mu type 3 (Yb3), clone MGC:30483 IMAGE:4166881, mRNA, complete cds, RIKEN cDNA 0610005A07 gene, glutathione S-transferase M2 (muscle), glutathione S-transferase M5, glutathione S-transferase, mu 5, glutathione S-transferase, mu type 3 (Yb3)
2265	20862 NM_031154	w, x		Mus musculus, glutathione S-transferase, mu type 3 (Yb3), clone MGC:30483 IMAGE:4166881, mRNA, complete cds, RIKEN cDNA 0610005A07 gene, RIKEN cDNA 1110004G14 gene, glutathione S-transferase M2 (muscle), glutathione S-transferase M4, glutathione S-transferase M5, glutathione S-transferase, mu 5
2533	1728 NM_133618	w, x		Mus musculus, Similar to Acetyl-Co A acetyltransferase 1, mitochondrial, clone MGC:39067 IMAGE:5365469, mRNA, complete cds, Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit, clone MGC:7126 IMAGE:3158015, mRNA, complete cds, acetyl-Coenzyme A acyltransferase (peroxisomal 3-oxoacyl-Coenzyme A thiolase), hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit
2432	25594 NM_053799	jj, kk, ll		Mus musculus, Similar to aspartyl-tRNA synthetase, clone MGC:6719 IMAGE:3586278, mRNA, complete cds, asparaginyl-tRNA synthetase, aspartyl-tRNA synthetase, lysyl-tRNA synthetase
74	20998 AA799803	b, l, m		Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:19094 IMAGE:4196654, mRNA, complete cds, Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:28492 IMAGE:4166254, mRNA, complete cds, complement component 1, s subcomponent, protein C
2504	21695 NM_130411	c		Mus musculus, Similar to coronin, actin binding protein, 2A, clone MAGE:4984475, mRNA, partial cds, coronin, actin binding protein 1A, coronin, actin binding protein, 1A
750	19058 AF054618	ee, ff		Mus musculus, Similar to cortactin isoform B, clone MGC:18474 IMAGE:3981559, mRNA, complete cds, cortactin, ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80)/85 src substrate), hematopoietic cell specific Lyn substrate 1, hematopoietic cell-specific Lyn substrate 1
2417	3454 NM_053662	p, q		Mus musculus, Similar to cyclin K, clone MGC:28173 IMAGE:3986609, mRNA, complete cds, Paneth cell enhanced expression, RIKEN cDNA 1810009O10 gene, cyclin L, cyclin T1, cyclin T2

TABLE 3 Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GLGC ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2417	3455 NM_053662	p, q, gg			Mus musculus, Similar to cyclin K, clone MGC:28173 IMAGE:3986609, mRNA, complete cds, Paneth cell enhanced expression, RIKEN cDNA 1810009O10 gene, cyclin L, cyclin T1, cyclin T2
2377	19512 NM_053365	ii			Mus musculus, Similar to fatty acid binding protein 4, adipocyte, clone MGC:18548 IMAGE:3670866, mRNA, complete cds, fatty acid binding protein 4, adipocyte
2131	4615 NM_022525	cc, dd			Mus musculus, Similar to glutathione peroxidase 3 (plasma), clone MGC:19204 IMAGE:4237630, mRNA, complete cds, glutathione peroxidase 3, glutathione peroxidase 3 (plasma)
21	22646 AA799301	d			Mus musculus, Similar to ligatin, clone IMAGE:4982955, mRNA, partial cds, ligatin
1883	1310 NM_013159				Mus musculus, Similar to Narginine dibasic convertase 1, clone MGC:25477 IMAGE:4486176, mRNA, complete cds, insulin degrading enzyme, insulin-degrading enzyme
1891	1714 NM_013187	a, kk			Mus musculus, Similar to phospholipase C, gamma 2 (phosphatidylinositol-specific), clone IMAGE:3983937, mRNA, partial cds, cell differentiation and embryonic development, expressed sequence AI894140, phospholipase C, gamma 1 (formerly subtype 148)
1175	9166 AI137406	kk			Mus musculus, Similar to protein C receptor, endothelial, clone MGC:41156 IMAGE:1054063, mRNA, complete cds, protein C receptor, endothelial, protein C receptor, endothelial (EPCR)
2391	31 NM_053537	b			Mus musculus, Similar to solute carrier family 22 (organic anion transporter), member 7, clone MGC:18877 IMAGE:4235556, mRNA, complete cds, expressed sequence AI648912, solute carrier family 22 (organic anion transporter), member 6, solute carrier family 22 (organic anion transporter), member 7
753	20741 AF084186	s, t			Mus musculus, similar to src homology three (SH3) and cysteine rich domain, clone MGC:38869 IMAGE:5361431, mRNA, complete cds, RIKEN cDNA 2610027H02 gene, RIKEN cDNA 2610301F02 gene, alpha-spectrin 1, erythroid, nesprin-1, spectrin, alpha, erythrocytic 1 (elliptocytosis 2), spectrin, alpha, non-erythrocytic 1 (alpha-fodrin), src homology three (SH3) and cysteine rich domain
2099	762 NM_022245	h, l			Mus musculus, Similar to sulfite oxidase, clone MGC:28458 IMAGE:4160277, mRNA, complete cds, RIKEN cDNA 0610009N12 gene, cytochrome b-5
2251	14970 NM_031127	a, h, l, n, o			Mus musculus, Similar to sulfite oxidase, clone MGC:28458 IMAGE:4160277, mRNA, complete cds, RIKEN cDNA 1810044O22 gene, RIKEN cDNA 2810034J18 gene, sulfite oxidase

TABLE 3
Attv. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1617	18482 Al639151	gg		Mus musculus, Similar to thyroid hormone receptor-associated protein, 150 kDa subunit, clone MGC:37192 IMAGE:4954840, mRNA, complete cds, pinin, pinin, desmosome associated protein
674	11500 AA963171	cc, dd		Mus musculus, Musashi homolog 2 (Drosophila), RIKEN cDNA 493343H111 gene, expressed sequence AA959857, heterogeneous nuclear ribonucleoprotein A/B, hypothetical protein DC50, musashi homolog 1 (Drosophila) myeloid leukemia factor 2
1116	10320 AA800855	b, l, m		myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse), myxovirus (influenza virus) resistance 2
2537	517 NM_134350	s		N-acetyltransferase 1 (arylamine N-acetyltransferase)
2443	16361 NM_053853	cc, dd		NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6 (17kD, B17)
1139	18509 AI104528	hh		neighbor of COX4, neighbor of Cox4
91	21065 AA800179	s, t		Neural visinin-like protein 1, RIKEN cDNA 4921521k07 gene, expressed sequence AI846570, hippocain like 4, visinin-like 1
2011	17202 NM_017357	gg		neuroigin, neuroigin 1, neuroigin 2, neuroigin 3
772	3931 AI008697	n, o		Nidogen (enactin), nidogen (enactin), nidogen 1
1332	22716 AI176500	f, g		Nidogen (enactin), nidogen (enactin), nidogen 1
1564	22717 AI235948	g		Nidogen (enactin), nidogen absent in velo-cardio-facial syndrome, nuclear localization signal protein deleted in velo-cardio-facial syndrome, nuclear localization signal protein absent in velo-cardio-facial patients
80	18378 AA799888	hh		nuclear receptor subfamily 2, group F, member 6
779	16652 AI009019	b		nuclear receptor subfamily 4, group A, member 1
2194	21 NM_024388	w, x		nuclear receptor subfamily 4, group A, member 1
2194	22 NM_024388	w, x		nucleobindin, nucleobindin 1
2382	4622 NM_053463	l, m		odorant receptor S1 gene, olfactory receptor 41, olfactory receptor, family 6, subfamily A, member 1
2319	20210 NM_031710	u, v		Paired basic amino acid cleaving enzyme (furin), paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein), proprotein convertase subtilisin/kexin type 4
2529	25369 NM_133559	l, m		paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein), proprotein convertase subtilisin/kexin type 3, proprotein convertase subtilisin/kexin type 4
2059	16330 NM_019331	h, l, ll		pancreatitis-associated protein
2364	15867 NM_053289	a, h, l, w, x		

TABLE 3					Atty. Ref. 44921-5090-C1-WO/2105485
SEQ ID	GLGC ID No.	GenBank Acc.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1006	85539 AI059175	e			pericentriolar material 1
2478	15391 NM_057114	d			peroxiredoxin 1
2137	9240 NM_022540	j, k, w, x			peroxiredoxin 3
1879	46 NM_013151	p, q			plasminogen activator, tissue
1865	20878 NM_013085	b			plasminogen activator, urokinase
					poliovirus receptor, poliovirus receptor-related 1, poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin), poliovirus receptor-related 2 (herpesvirus entry mediator B), poliovirus sensitivity, tumor-associated antigen 1
1931	923 NM_017076	a, p, q, y, z, ee, ff			potassium inwardly rectifying channel, subfamily J, member 11, potassium inwardly rectifying channel, subfamily J, member 11
2273	18654 NM_031358	a, d, r, y, z, ee, ff, kk			potassium inwardly rectifying channel, subfamily J, member 11, potassium inwardly rectifying channel, subfamily J, member 11
2273	18655 NM_031358	d, l, m, jj, kk			POU domain, class 2, transcription factor 3, POU transcription factor
1700	25816 L23863	n, o			prostaglandin F receptor, prostaglandin F receptor (FP)
1873	7854 NM_013115	h, l			protein inhibitor of activated STAT 1, protein inhibitor of activated STAT 3, protein inhibitor of activated STAT gamma, protein inhibitor of activated STAT3
2326	4325 NM_031784	d			protein kinase (cAMP-dependent, catalytic), inhibitor alpha, protein kinase inhibitor, alpha
2429	1016 NM_053772	r, gg			PRP31 pre-mRNA processing factor 31 homolog (yeast), RIKEN cDNA 1500019O16 gene, nucleolar protein 5, nucleolar protein 5A (56kD with KKE/D repeat), nucleolar protein NOP5/NOP58
2087	20035 NM_021754	a, y, z			RAB11a, member RAS oncogene family, RAB28, member RAS oncogene family, rabaptin 5, rabaptin-5
2460	18798 NM_053978	h, l, n, o			Ras-induced senescence 1
2016	20778 NM_019124				Rattus norvegicus extracellular signal-regulated kinase 7 mRNA, complete cds,
2490	116322 NM_057212	b			mitogen activated protein kinase 3, mitogen-activated protein kinase 7
2008	15037 NM_017347	e, r			Rattus norvegicus kallistatin mRNA, complete cds, serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1, serine protease inhibitor 2
1407	6455 AI179984	aa, bb			ribonuclease P (38kD)
236	15160 AA859346	u, v			ribosomal protein L30
2154	17808 NM_022699	cc, dd			ribosomal protein L4
2122	18671 NM_022510	c, kk			

TABLE 3				Atty. Ref. 44921-5090-01-WO/2103485
SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1897	20864 NM_013215	b, l, m	RIKEN cDNA 0610025K21 gene, aldo-keto reductase family 7, member A2 (alifatoxin aldehyde reductase)	
2252	6525 NM_031129	gg	RIKEN cDNA 0610040H15 gene, RIKEN cDNA 2210409E12 gene, transcription elongation factor B (SII), polypeptide 2 (18kD, elongin B)	
591	14763 AA944481	p, q	RIKEN cDNA 1110007F23 gene, angiopoietin 2, angiopoietin-like 3, angiopoietin-like 4, ficolin (collagen/fibrinogen domain containing lectin) 2 (fucolin), ficolin (collagen/fibrinogen domain containing) 1, ficolin B	
510	4907 AA924091	r	RIKEN cDNA 1110031I02 gene, gene rich cluster, B gene, hypothetical protein FLJ22222, leprecan, leprecan 1	
2397	21940 NM_053568	f	RIKEN cDNA 1110033E03 gene, phosphate cytidylyltransferase 2, ethanolamine	
			RIKEN cDNA 1300003A17 gene, RIKEN cDNA 322240Q004 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1	
420	24279 AA892919	d	RIKEN cDNA 1300003A17 gene, RIKEN cDNA 322240Q004 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1	
2160	24283 NM_022869	s, t	RIKEN cDNA 1300010C19 gene, RIKEN cDNA 5730543C08 gene, Ras-related GTP-binding protein, expressed sequence AI255374, small GTPase, homolog (S. cerevisiae)	
2459	15343 NM_053973	aa	RIKEN cDNA 1300011D16 gene, actinin, testis intracellular mediator protein	
245	11635 AA859645	j, k, ll	RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase, ornithine aminotransferase (gyrate atrophy)	
2128	4242 NM_022521	b, l, m	RIKEN cDNA 1500006O09 gene, hypothetical protein FLJ23445	
763	11368 AA007948	l, m	RIKEN cDNA 1500031N16 gene, mitochondrial ribosomal protein L12	
1342	10310 AA176961	n, o	RIKEN cDNA 1600016E11 gene, mitogen regulated protein, prolifern 3, prolactin, prolactin-like protein M, prolifern, prolifern 2	
2555	8468 NM_138861	b	RIKEN cDNA 1700024D23 gene, RIKEN cDNA 473143G05 gene, potassium channel TREK-2, potassium channel, subfamily K, member 2, potassium channel, subfamily K, member 2 (TREK-1), potassium channel, subfamily K, member 5, potassium channel, subfamily K, member 5 (TASK-2)	
134	1754 AA877837	kk		

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
40	21120 AA799526	p, q, gg		RIKEN cDNA 1700043E15 gene, small nuclear ribonucleoprotein D3 polypeptide (18kD)
1255	17529 AI171460	h, l		RIKEN cDNA 1810026B04 gene, dicarbonyl/L-xylulose reductase, hydroxysteroid (17-beta) dehydrogenase 8, hypothetical protein BC014057, hypothetical protein FLJ1431, oxidoreductase UCRA
1699	24520 L20869	e		RIKEN cDNA 2010002L15 gene, pancreatitis-associated protein, regenerating islet-derived 3 gamma
628	884 AA946362	ii		RIKEN cDNA 2010006G21 gene, RIKEN cDNA 2810425K19 gene, sorting nexin 5
423	19124 AA893022	ii		RIKEN cDNA 2310016C16 gene, RIKEN cDNA 3110050F08 gene, glutathione peroxidase 4, glutathione peroxidase 4 (phospholipid hydroperoxidase)
434	16168 AA893280	a, y, z		RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein
665	12529 AA957362	d		RIKEN cDNA 2410002J21 gene, activator of CREM in testis, expressed sequence AV278559, expressed sequence AW123232, four and a half LM domains 2, paxillin, transforming growth factor beta 1 induced transcript 1, vascular Rab-GAP/TBC-containing
576	22317 AA943766	j, k		RIKEN cDNA 241004D18 gene, RIKEN cDNA 4930485D02 gene, aspartylglucosaminidase, expressed sequence AW060726
2109	13480 NM_022390	i		RIKEN cDNA 2610008L04 gene, quinoid dihydropteridine reductase
2345	17556 NM_031975	j, k		RIKEN cDNA 2610099E16 gene, parathymin, prothymosin alpha
2517	7700 NM_133386	ee, ff		RIKEN cDNA 2610037M15 gene, sphingosine kinase 1, sphingosine kinase 2
411	21972 AA892791	ii		RIKEN cDNA 2610103M17 gene, excision repair cross-complementing rodent repair deficiency, complementation group 1, excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)
263	4222 AA860024	h, l, w, x		RIKEN cDNA 2610301D06 gene, eukaryotic translation elongation factor 1 gamma
871	16984 AI013161	aa, bb		RIKEN cDNA 2610301D06 gene, eukaryotic translation elongation factor 1 gamma
2006	16382 NM_017343	cc, dd		RIKEN cDNA 2900073G15 gene, myosin regulatory light chain
2607	21583 S77900	bb, kk		RIKEN cDNA 2900073G15 gene, Rat mRNA for myosin regulatory light chain (RLC), myosin, light polypeptide, regulatory, non-sarcomeric (20kD)

Atty. Ref. 44921-5090-01 WO/2105485

TABLE 3

SEQ ID	GenBank Acc. No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
827	18438 AI010930	e, f		RIKEN cDNA 310001N19 gene, ribosomal protein L14
1154	18439 AI111877	f		RIKEN cDNA 310001N19 gene, ribosomal protein L14
2166	18107 NM_022949	f, g		RIKEN cDNA 310001N19 gene, ribosomal protein L14
2447	1352 NM_053880	aa		RIKEN cDNA 320002106 gene, dynein, cytoplasmic, intermediate chain 2, dynein, cytoplasmic, intermediate polypeptide 2, hypothetical protein MGC20486
138	14101 AA817867	ii		RIKEN cDNA 4930425N13 gene, hexosaminidase A, hexosaminidase A (alpha polypeptide)
1272	16293 AI172183	c		RIKEN cDNA 4930441F12 gene, reticulin 1, reticulin 2, reticulin 2 (Z-band associated protein)
1394	7213 AI179356	w, x		RIKEN cDNA 4930544G11 gene, expressed sequence A1324259, ras homolog 9 (Rhoc), ras homolog A2, ras homolog gene family, member C
2553	23166 NM_138839	y, z, ee, ff, kk		RIKEN cDNA 4930579A11 gene, likely ortholog of rat vacuole membrane protein 1
2389	18826 NM_053523	bb		RIKEN cDNA 5031400M07 gene, homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1, hypothetical protein FLJ22313
336	21951 AA891535	cc, dd		RIKEN cDNA 5730414C17 gene, hippocampus abundant gene transcript 1, hypothetical protein DKFZp564L0864 similar to H1AT1, hypothetical protein FLJ14753
938	7867 AI043695	t		RIKEN cDNA 5730454C12 gene, expressed sequence C79945, glutamine fructose-6-phosphate transaminase 1, glutamine fructose-6-phosphate transaminase 2, glutamine-fructose-6-phosphate transaminase 2, phosphoribosyl pyrophosphate amidotransferase
2622	20224 U47014	b, u, v		RIKEN cDNA 5730592L21 gene, hypothetical protein FLJ14927, propionate convertase subtilisin/kexin type 5, thrombospondin, thrombospondin type 1 domain
288	17303 AA874990	u, v, w, x		RIKEN cDNA 6330407G11 gene, hypothetical protein FLJ10342
2497	17662 NM_080697	cc, dd		RIKEN cDNA 6720463E02 gene, dynein light chain 2
282	16082 AA874887	ii		RIKEN cDNA C030018L16 gene, SMC (segregation of mitotic chromosomes 1)-like 1 (yeast), SMC (structural maintenance of chromosomes 1)-like 2 (<i>S. cerevisiae</i>), SMC (structural maintenance of chromosomes 1)-like 1 (<i>S. cerevisiae</i>), SMC1 structural maintenance of chromosomes 1-like 1 (yeast), SMC4 structural maintenance of chromosomes 4-like 1 (yeast)

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Atty. Ref. 44921-5090-01-WO/2105485
2454	16552 NM_053961	h, l, n, o		RIKEN cDNA C030022k24 gene, chromosome 12 open reading frame 8, endoplasmic reticulum protein 29	
2454	16553 NM_053961	h, l		RIKEN cDNA C030022k24 gene, chromosome 12 open reading frame 8, endoplasmic reticulum protein 29	
1692	23486 K02816	cc, dd		RNA polymerase II transcriptional coactivator, activated RNA polymerase II transcription cofactor 4	
1518	13645 AI232694	hh		SEC24 related gene family, member C (<i>S. cerevisiae</i>)	
784	9150 AI009198	h,		serine/threonine kinase receptor associated protein, un- interacting protein	
504	16976 AA901341	j, k		sialyltransferase 7 ((alpha-N-acetylneuraminyl 2,3-beta-galactosy-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) B	
2165	18104 NM_022948	hh		sideroflexin 1, sideroflexin 2, sideroflexin 3	
589	21522 AA944449	gg		signal recognition particle 68kD	
1163	23428 AI113320	ll		similar to arginyl-tRNA synthetase	
1788	3600 NM_012751	a		solute carrier family 2 (facilitated glucose transporter), member 4	
1788	3601 NM_012731	t		solute carrier family 2 (facilitated glucose transporter), member 4	
398	17468 AA892545	t		solute carrier family 22 (organic cation transporter), member 1-like	
2389	653 NM_053580	aa, bb		solute carrier family 27 (fatty acid transporter), member 1, solute carrier family 27 (fatty acid transporter), member 4	
1921	24695 NM_017049	c		solute carrier family 4 (anion exchanger), member 3, solute carrier family 4, anion exchanger, member 3	
286	16116 AA874228	f		sorting nexin 4	
1585	11404 AI237002	hh		spermidine synthase, spermine synthase	
2249	882 NM_031123	d		stanniocalcin, stanniocalcin 1	
2396	15708 NM_053565	p, q, y, z		STAT Induced STAT inhibitor 3, cytokine inducible SH2-containing protein 3	
1437	15078 AI228830	j, k		stearoyl-CoA desaturase (delta-9-desaturase), stearoyl-Coenzyme A desaturase 2	
2339	15077 NM_031841	ii		stearoyl-CoA desaturase (delta-9-desaturase), stearoyl-Coenzyme A desaturase 2	
604	4207 AA945591	n, o, w, x		stromal cell derived factor 2, stromal cell-derived factor 2-like 1	
2150	20509 NM_022689	b, r, u, v		synaptosomal-associated protein, 23kD	
744	15772 AB015645	cc, dd		thyrotropin releasing hormone receptor, thyrotropin releasing hormone receptor 2, thyrotropin-releasing hormone receptor	

TABLE 3
Atty. Ref. 44921-5090-01-WO/2105485

SEQ ID	GenBank Acc. GLGC ID No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1553	15004_A[235224	a, l, n, o, x, z, kk		tissue inhibitor of metalloproteinase, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)
2435	15002_NM_053819	a, l, k, n, o, x, z, hh, kk		tissue inhibitor of metalloproteinase, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)
2435	15003_NM_053819	a, l, k, n, o, x, z, hh, kk		tissue inhibitor of metalloproteinase, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)
32	18706_AA799471	d		titin-cap (telethonin)
477	17243_AA89994	r		TRAM-like protein, translocating chain-associating membrane protein
981	6808_A[045600	w, x		TRAM-like protein, translocating chain-associating membrane protein
2134	7505_NM_022534	ii		transcobalamin 2, transcobalamin II; macrocytic anemia
2253	13929_NM_031131	n, o, hh		transforming growth factor, beta 2
1887	21722_NM_013174	jj, kk		transforming growth factor, beta 3
1887	21723_NM_013174	p, q		transforming growth factor, beta 3
126	12399_AA801307	gg, ll		transforming, acidic coiled-coil containing protein 1
771	12398_A[008689	s, t		transforming, acidic coiled-coil containing protein 1
439	2689_AA893515	ll		translocation protein 1
691	14342_AA964595	h, l, s, t		Treacher Collins Franceschetti syndrome 1, homolog, Treacher Collins- Franceschetti syndrome 1, expressed sequence AA410847
1868	1521_NM_013091	a, s, t, ee, ff, jj, kk		tumor necrosis factor receptor superfamily, member 12, tumor necrosis factor receptor superfamily, member 12 (translocating chain-association membrane protein), tumor necrosis factor receptor superfamily, member 1A, tumor necrosis factor receptor superfamily, member 1a, tumor necrosis factor receptor superfamily, member 22, tumor necrosis factor receptor superfamily, member 23
1337	3619_A[176588	j, k		tumor protein p53-binding protein
1101	2125_A[102519	n, o, w, x		TYRO protein tyrosine kinase binding protein
551	16468_AA926137	hh		ubiquinol-cytochrome c reductase (6.4kD) subunit
621	22708_AA946663	u, v		ubiquitin-like 3
2267	18596_NM_031325	u, v		UDP-glucose dehydrogenase
2267	18597_NM_031325	a, j, k, p, q, y, z, ee, ff		UDP-glucose dehydrogenase
2557	4594_NM_138881	c		viprin, viral hemorrhagic septicemia virus(VHSV) induced gene 1
2270	18539_NM_031353	f, g		voltage-dependent anion channel 1
2271	16777_NM_031354	hh		voltage-dependent anion channel 2

Model	code	time (hrs)
Adrenergic Agonist	a	various
Alkylating Agents	b	various
Adriamycin	c	120, 168
Adriamycin	d	6, 24
Amphotericin B	e	6
Bl: Alternate	f	168, 336
Bl: Core Tox Markers	g	168, 336
Clenbuterol: Alternate	h	24
Clenbuterol: Core Tox Markers	i	24
Clenbuterol: Alternate	j	6
Clenbuterol: Core Tox Markers	k	6
Cyclophosphamide: Alternate	l	6, 48, 192
Cyclophosphamide: Core Tox Markers	m	6, 48, 192
Epinephrine: Alternate	n	24
Epinephrine: Core Tox Markers	o	24
Epinephrine: Alternate	p	3, 6
Epinephrine: Core Tox Markers	q	3, 6
Epirubicin	r	6, 192
Hydralazine: Alternate	s	6
Hydralazine: Core Tox Markers	t	6
Ifosfamide: Alternate	u	48, 144
Ifosfamide: Core Tox Markers	v	48, 144
Isoproterenol: Alternate	w	24
Isoproterenol: Core Tox Markers	x	24
Isoproterenol: Alternate	y	3, 6
Isoproterenol: Core Tox Markers	z	3, 6
Minoxidil: Alternate	aa	24, 360
Minoxidil: Core Tox Markers	bb	24, 360
Norepinephrine: Alternate	cc	24
Norepinephrine: Core Tox Markers	dd	24
Norepinephrine: Alternate	ee	3, 6
Norepinephrine: Core Tox Markers	ff	3, 6
Phenylpropanolamine	gg	3
Phenylpropanolamine	hh	6, 24
Rosiglitazone	ii	24
General	jj	various
General Core Tox Markers	kk	various
Vasculature Agents	ll	various

TABLE 5A: ADRENERGIC AGONIST		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15002	93.1848	830.7404	409.6441	188.7073	133.9170
17736	91.1968	1787.7997	762.4182	584.9220	266.0836
15003	90.1662	733.7943	472.1444	74.9787	129.4779
11531	88.3378	1302.1848	707.5785	380.2217	216.8872
17735	88.1250	2908.0087	1147.6615	1047.5181	435.2275
19040	87.5598	428.8572	97.4225	248.9995	69.8694
17734	86.8816	2678.5496	1099.6429	996.2423	363.5236
1892	86.7420	2311.9282	578.1713	1178.1967	332.2920
17401	86.6157	1311.1640	474.9087	584.6204	187.5873
22321	85.6582	404.6838	160.3726	166.4941	84.1703
10071	85.6582	555.2923	198.1929	256.3717	89.8406
15510	85.5585	193.2422	44.9524	283.7898	52.4782
14213	85.3723	58.2154	43.1912	4.8459	16.2336
17161	85.0532	587.4333	355.2130	193.6993	89.1473
11530	85.0000	721.6317	412.9801	194.6598	129.9371
22499	84.9867	43.9754	12.0409	20.1660	11.3621
20743	84.6011	110.1523	18.0460	156.2806	27.2337
16168	84.3085	322.1775	121.4265	171.7767	45.1771
1271	83.7500	57.0368	11.4631	80.9952	15.3334
574	83.1383	997.6258	268.7816	592.6405	136.0639
15540	83.0984	222.6751	196.0708	49.6568	39.2014
17217	83.0785	299.9600	61.9276	408.5918	79.0507
19710	82.8723	95.2966	31.4037	47.0879	21.0511
18654	82.8258	115.9148	55.4920	221.2713	63.0262
7196	82.8059	241.5608	48.6689	167.6215	40.8344
923	82.5665	80.3798	60.4940	15.2547	11.6656
18389	82.0745	1698.2519	653.3550	804.3228	432.9969
14206	82.0545	32.6432	13.0018	78.1153	56.0684
10185	81.9082	19.2150	5.2091	31.5730	10.4042
20448	81.5359	510.4135	424.2980	65.6248	72.1860
23781	81.3098	74.7232	26.9707	38.5429	15.2727
606	81.2566	22.0283	48.8072	-43.9928	28.7447
17601	81.1968	148.6699	25.4993	203.0924	39.3452
357	81.1636	75.3102	54.7364	23.9249	12.6806
18888	81.1303	18.1279	6.8135	30.9872	11.1700
20983	81.0904	336.6510	76.3729	482.8464	107.7815
20449	81.0040	704.6277	547.1217	85.9070	122.7912
4327	80.9375	138.6356	37.5198	90.1494	26.2950
5496	80.9309	50.8946	12.7471	68.9254	13.4656
19481	80.9309	75.3548	23.3920	131.9767	42.0273
1977	80.8910	384.3716	104.5183	557.5178	106.1212
21663	80.7912	1000.0403	524.6985	361.5352	120.1430
13940	80.6316	46.2156	17.8341	85.3171	35.6900
14970	80.5386	52.0507	17.0768	81.4804	20.0985
23058	80.3258	181.5442	53.5652	285.5204	70.9465
355	80.0266	80.9323	65.3081	7.7442	23.5498
1530	80.0066	140.4712	33.2319	194.9259	41.2104
18597	79.8670	286.4668	206.7383	88.5584	38.8586
24431	79.8670	278.2754	246.5034	69.8804	50.4931
12118	79.8338	1249.9245	697.4559	522.6811	245.1043
22675	79.8005	75.4184	38.8554	29.4800	18.4798
18313	79.7872	4005.3077	732.8548	2783.7654	675.7277

TABLE 5A: ADRENERGIC AGONIST Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1521	79.7141	126.0733	53.5310	66.7321	32.2172
11422	79.7074	75.0346	25.4253	114.0781	31.3287
21654	79.4415	409.2411	195.2531	198.1299	56.8823
2629	79.2819	75.4973	57.4256	19.6594	9.4997
17908	79.2819	148.8453	100.0555	40.8903	23.3252
15349	79.1622	20.5876	11.5202	5.2367	7.4734
18396	79.1622	99.0622	52.0676	40.7672	29.0087
5297	79.1223	438.7151	230.7097	198.4258	74.3391
23868	79.0691	696.3200	544.8244	201.9544	193.6116
18190	78.9960	93.7200	27.0359	143.9221	34.9959
4832	78.9761	590.5971	146.1748	886.5180	205.8155
20919	78.9561	416.6138	85.0507	297.7708	87.8226
17590	78.9162	74.0367	21.4162	47.6340	15.3868
244	78.9096	177.7682	130.8882	59.6868	32.3470
2628	78.8564	44.9283	33.5423	9.0629	12.4309
12580	78.7566	32.9518	9.7960	19.1548	9.1576
15867	78.7035	81.2703	45.4669	38.1658	53.4934
3337	78.6104	39.5081	9.7943	56.9440	15.7051
19252	78.5572	466.7698	45.7445	567.3424	97.1485
3244	78.4774	129.7236	33.9837	177.7022	32.5983
16081	78.3777	202.8438	112.5844	84.0263	61.5599
15281	78.2779	170.8618	35.8977	121.2837	28.7917
1715	78.2114	150.0634	26.4880	111.5965	27.4725
20856	78.1582	823.1658	173.6071	1104.4375	180.6417
10016	78.0984	310.8434	90.6794	198.7584	58.3868
12978	78.0918	240.0713	187.0521	72.7926	27.1008
2846	78.0585	41.5447	12.8468	63.7379	19.4552
622	77.9189	27.3665	7.5757	45.8306	19.1215
23869	77.7726	161.8403	143.4543	38.7388	52.5181
20855	77.7527	539.5765	102.8442	705.3220	119.7929
223	77.6662	84.7102	79.8305	11.2148	19.4940
21445	77.5798	58.4069	47.4152	9.3169	20.3055
1377	77.5798	37.4036	11.7847	58.0973	19.4413
1714	77.5598	128.4936	26.6958	176.9989	41.1240
11423	77.5266	126.9625	37.6497	205.5892	65.9685
18108	77.4934	201.3502	36.4083	156.6728	22.5172
2150	77.4601	120.5581	20.2371	153.8331	33.2591
2555	77.4202	78.3837	37.8776	45.1706	21.4351
356	77.4003	153.3145	116.5924	37.9370	35.8682
23368	77.3803	286.7193	78.0081	410.2601	90.1102
19279	77.3604	145.1303	22.8084	175.9706	22.2452
21653	77.3138	193.7593	75.5197	114.0782	37.2720
21950	77.2074	635.8636	108.3591	771.6337	137.9339
1475	77.1676	987.8538	1118.1009	79.7411	129.4689
3292	77.1343	46.3794	53.4058	-2.2895	28.6104
21662	77.1210	25.1074	18.0661	3.2638	10.9879
15379	77.1011	69.7288	26.6900	110.1162	36.4938
3600	77.0811	351.9825	98.1033	482.5987	117.8029
6606	91.6955	4153.5723	1137.7211	1800.9361	632.4547
15004	88.8697	1169.7455	600.2896	309.0121	203.5315
21796	88.5705	502.8636	147.4609	261.0573	79.3455
3014	88.4508	112.1745	49.0365	253.1593	72.1640

TABLE 5A: ADRENERGIC AGONIST Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23038	88.0718	147.1772	93.5964	16.7866	121.6543
7665	87.2407	420.9228	92.5245	273.5120	63.9044
23123	87.0080	558.1320	184.4459	312.7660	81.1612
7414	86.6356	428.8101	97.8829	296.5660	52.2979
11684	86.5160	100.3609	43.7081	193.3221	50.5289
22197	86.3497	246.4543	83.2983	114.9586	42.9903
24246	86.2832	406.3073	78.4021	269.3370	65.8177
22378	86.1237	156.7941	51.2980	274.8932	59.2517
24209	85.1263	84.9209	55.8163	0.6268	38.9410
5461	85.0731	227.7101	79.5985	115.4327	36.2758
21632	84.7340	486.9037	172.5911	193.9329	83.9131
18206	84.4415	298.2611	43.6493	219.0292	50.4482
3669	84.3152	54.9250	16.7575	26.5427	16.7630
24022	84.0691	60.1513	17.4583	103.0718	26.3162
17540	83.8830	614.5749	238.0756	340.9067	100.1111
12664	83.5705	53.1247	29.4909	114.3550	32.5444
15042	83.5638	125.6087	59.0746	41.6963	32.6660
10072	83.4574	256.6850	119.5995	103.8417	62.8821
16154	83.4043	161.8671	82.4309	73.5311	71.2638
2742	83.1782	-100.5665	101.5237	59.4249	79.4204
6632	82.8191	210.1464	58.6494	121.7572	39.1467
22432	82.7992	212.3237	57.3487	121.2644	31.8172
18598	82.5864	101.0807	72.7916	-0.8437	35.2601
2459	82.5665	1207.7704	889.6888	93.8630	160.0823
12086	82.4934	37.5563	11.7940	58.1680	16.2987
23725	82.4867	326.7101	61.7201	218.5422	62.4451
8494	82.4535	619.4279	83.5414	459.5236	98.6579
2301	82.4402	75.4272	15.8549	116.2465	30.8618
23964	82.3072	142.6538	32.3372	84.4648	29.8075
4420	82.2407	310.0578	85.6928	450.6251	91.3693
8495	82.2207	177.6911	31.6153	130.5767	28.8121
14494	82.1875	172.9672	31.0657	227.6112	36.8642
15283	82.0213	405.2720	78.5347	303.0143	67.4546
9317	82.0146	500.5706	75.1872	682.2943	145.5965
11426	81.9947	337.2493	90.1085	553.0815	151.4891
13634	81.8750	1369.2711	485.0771	806.0391	179.8525
19387	81.8617	536.2792	140.6484	364.3634	84.4545
24051	81.8152	94.5799	22.7796	145.6245	33.8169
13460	81.7753	218.7623	66.2870	337.3528	64.6869
6412	81.7686	13.4985	5.4822	27.2459	12.3818
9611	81.6223	12.2893	25.4226	57.7584	32.7127
4074	81.5891	7.4619	29.5408	64.5731	43.9488
6548	81.5226	375.7787	105.0735	210.2905	78.2200
12946	81.5093	148.1603	34.5002	220.6648	40.7063
20035	81.5027	346.7378	149.5983	164.0392	57.3486
3905	81.4960	170.3486	48.0159	90.3576	60.5419
12979	81.4827	966.0172	724.9628	294.8817	100.1571
22545	81.4827	128.2348	54.8824	203.6431	60.8249
21660	81.4561	2382.4932	487.4179	1592.8149	514.8672
18529	81.4362	447.6552	91.3266	285.9677	71.7319
22666	81.3963	182.6728	89.9086	75.6578	31.7036
21166	81.3963	531.8921	175.0606	305.9588	75.1422

TABLE 5A: ADRENERGIC AGONIST Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15277	81.3497	1029.9606	170.9360	793.9735	149.6945
18830	81.3431	5708.1764	1748.0224	3626.8283	865.9063
16053	81.2699	351.6101	280.9336	111.1993	59.6347
8938	81.1769	21.3583	23.4652	73.0730	34.1501
22591	81.0904	50.7375	12.5625	74.8265	17.9028
21185	81.0904	441.0886	76.5297	604.5507	148.1893
21785	81.0439	163.0715	48.9946	93.7917	30.5701

TABLE 5B: ALKYLATING AGENTS Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
25468	84.1196	2299.0124	2917.1199	6144.3127	2425.3955
20225	84.0526	30.0414	12.5776	97.4470	57.3253
25600	83.8852	47.2206	7.9918	70.5631	19.5326
25469	83.6459	1791.5476	2180.0380	4544.7412	1788.2424
17160	83.2440	2068.9455	214.1597	1697.7590	423.3836
1684	83.1196	2947.0329	3556.7192	6788.5893	2953.7997
4565	82.6651	24.4325	9.4147	43.6687	14.1960
10320	82.3493	47.9014	12.0588	80.4636	26.6369
4474	82.3397	73.5205	23.9619	38.7337	27.3163
20440	81.9522	23.8482	22.9362	51.6998	18.9559
20313	81.6890	11.6843	11.8859	29.5962	10.7195
455	81.6029	3635.2910	906.2374	5012.3749	1060.9043
20450	81.5694	48.8815	13.0695	73.0041	22.3154
309	81.4976	588.1575	79.2127	476.1954	81.2001
8269	81.4211	15.6709	4.3619	21.9461	9.5169
15573	81.3493	84.8163	10.9516	105.8035	18.1005
16947	81.2010	53.0476	11.7092	76.8846	21.9556
15083	81.1914	34.2199	13.4606	68.3728	27.2558
25496	81.1292	204.2343	26.9706	157.0878	37.2108
25495	81.1292	178.3991	19.0513	140.0664	33.9639
6654	81.0574	57.3908	16.9442	32.3728	13.5276
22355	81.0431	18.9000	5.0085	32.1376	12.8167
25705	80.8900	543.7402	141.5809	357.5528	114.8227
24228	80.8804	279.7133	119.0250	157.8901	45.9909
381	80.7368	19.6870	6.7439	29.2547	10.7027
24643	80.6029	169.1690	56.3307	68.4159	74.1271
22583	80.5598	18.3818	5.5890	24.0195	5.7511
2413	80.5072	745.6790	62.8685	623.5517	103.7641
4684	80.4880	87.7172	15.7335	55.6888	21.8841
2832	80.2967	123.6875	17.2399	151.2548	23.9115
15846	80.2440	33.1607	19.0091	68.4972	33.9424
26039	80.1818	57.8518	11.0042	75.8213	15.2461
298	80.0431	37.0221	12.7922	59.1687	23.4624
1108	80.0239	18.0748	7.6995	33.1729	11.8817
20073	80.0144	7.9412	16.4752	40.4131	19.1797
10248	79.9282	376.3496	53.6001	306.4258	85.4251
767	79.8565	4.3235	13.7955	23.0547	15.9343
1894	79.7847	295.3987	119.1209	147.5070	73.9222
18864	79.7799	132.5974	18.7576	166.8307	35.1741
13595	79.7703	76.1675	12.9824	97.0513	18.1780
15056	79.7273	6.2067	6.1665	22.2468	15.6667
385	79.6986	19.5439	15.0876	46.3407	22.6844
17427	79.5837	318.0867	65.6813	220.1336	64.8948
20536	79.5837	37.0290	24.7335	11.5981	22.3424
200	79.5598	55.6074	13.1527	79.4381	22.5161
24473	79.4450	147.2555	34.7970	207.7485	46.3524
18895	79.4450	120.9271	21.8233	163.6937	34.7664
16448	79.3828	96.2256	119.9279	285.0267	130.8231
17154	79.3636	1193.0218	321.9846	854.9913	204.4564
20732	79.2440	13.7055	5.1709	23.4555	9.0599
9073	79.0670	39.3991	11.2447	21.7348	14.0843
17923	79.0335	75.8414	12.2287	104.9544	26.5959

TABLE 5B: ALKYLATING AGENTS Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
25572	78.9809	23.5730	9.4696	38.3420	12.8307
18867	78.9234	375.0387	219.8318	178.0682	58.9122
20998	78.7751	470.2145	161.5664	278.2811	80.1195
18032	78.7703	43.4114	22.1110	89.4354	44.4752
16934	78.7512	59.1653	16.5814	34.9678	17.9845
22150	78.7416	217.3971	42.1239	150.5825	44.2886
20864	78.7177	9.1197	8.3097	24.8080	14.9622
20224	78.6555	25.7235	11.4037	54.8352	23.4610
14543	78.6459	41.7789	18.8904	4.6710	27.2678
21928	78.6029	26.2219	9.3320	40.2590	12.3799
8587	78.6029	21.3555	10.7080	42.0994	16.8253
25752	78.5837	25.6894	42.8635	-49.0965	50.2743
167	78.5598	385.7359	146.7072	589.7799	173.8485
20554	78.5598	37.0486	18.4306	76.2388	36.7772
23215	78.5072	76.8105	11.1928	100.4547	26.8897
16018	78.4354	258.9146	45.4960	201.5170	58.2273
15990	78.3493	87.3962	18.5131	117.5183	26.5665
15917	78.3397	70.4733	26.2187	18.9494	42.6290
25525	78.1722	124.7945	36.3359	78.6745	47.6384
25770	78.0144	91.4328	51.3572	161.4990	59.9291
23294	77.9378	125.3066	16.9407	158.0675	35.6768
25659	77.8852	37.2458	13.2464	90.6507	61.2556
25262	77.8756	29.1337	6.8117	42.6468	14.5241
21013	77.8038	232.9595	46.2884	183.4911	49.0195
25765	77.8038	39.7965	17.4557	66.0129	19.3064
8844	77.7799	27.1377	10.8488	55.1368	26.7064
20754	77.6986	52.0605	10.6921	71.2943	15.0357
24597	77.6794	622.3761	105.4979	480.5779	107.3116
25790	77.6459	39.4384	14.4912	59.6624	16.2379
20779	77.6459	160.1499	17.6749	123.7358	27.7988
2881	77.6029	297.0551	79.9493	399.1987	92.4773
17214	77.5646	144.7695	33.6226	105.3812	24.3444
20509	77.5072	23.2482	6.0971	36.1861	15.1089
4242	77.4163	323.5089	80.1901	238.1027	64.1769
13882	77.4019	757.9745	193.5464	1049.9153	293.9675
11218	77.3828	66.3258	39.0734	128.6068	49.1323
20549	77.3589	33.1582	11.8610	50.5349	19.7998
18023	77.3493	45.3195	12.0265	64.6300	17.5364
31	77.2344	59.3374	11.7844	78.8431	21.6135
25232	77.1388	19.7318	7.8509	34.4586	15.7297
1948	77.1100	136.4836	36.7570	81.9549	42.8659
15777	77.0861	20.3161	7.1718	35.9811	18.4974
13283	77.0335	13.0325	4.6449	21.3358	9.3227
17226	76.9952	252.0797	52.3846	189.5066	46.2914
20878	76.9904	28.4037	7.4850	39.7258	15.8441
22205	76.9713	889.7006	90.5304	762.5673	130.2308
25235	76.9282	21.8555	3.4653	28.8335	9.5388
4235	76.8995	407.8426	55.6413	323.2472	67.5158
461	88.3684	58.8866	10.7413	100.2864	30.1009
10453	86.5072	54.6916	28.6474	133.6145	48.4319
23096	86.4976	305.3999	77.1263	103.2969	113.9204
5969	86.0335	582.3748	81.2828	425.0370	122.6622

TABLE 5B: ALKYLATING AGENTS Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15084	85.6651	82.7205	49.8587	198.7021	77.1236
22771	85.6651	543.5028	64.0967	384.5877	92.2999
3094	85.4641	39.5089	13.9797	87.5210	51.0282
3352	85.1818	686.1273	133.8193	444.0767	130.1732
19358	85.0670	749.4440	1002.3084	2499.7431	927.5420
6458	84.5694	10.2135	8.2076	34.5288	21.5597
9171	84.4641	83.4184	21.1652	125.7671	37.2977
17832	84.3828	1873.7747	2756.4346	5678.4901	2278.9559
1687	84.3301	1518.0092	2149.3647	4500.8610	1744.4746
4151	84.0957	398.7729	74.0807	605.7236	162.8110
1689	83.7512	3534.9897	4805.9317	9151.5643	3989.7268
6092	83.5694	14.9530	7.8629	27.7916	11.2114
8712	83.2871	76.7061	30.7397	9.5956	49.1484
13802	83.1914	86.8262	20.4133	140.1087	38.4801
2813	83.0335	345.9580	80.9262	230.5143	104.4164
8291	82.6124	29.9570	8.6052	52.6233	17.7459
17089	82.5502	1436.7260	238.9832	1082.6013	400.2614
3781	82.4976	-3.7295	24.1581	30.8117	26.0212
12805	82.4641	64.5057	23.9316	11.2774	53.4721
19944	82.3589	124.7257	31.3315	230.2468	82.9797
16652	82.3493	80.1161	33.8281	126.1162	39.8916
11563	82.3301	207.7992	49.7971	115.4617	54.5596
14530	82.1196	98.2636	21.6303	68.0352	19.1958
21364	82.0861	95.9159	78.2647	264.3087	122.6829
16335	82.0574	72.0214	170.4047	269.4336	133.2956
5913	81.9713	41.5357	16.7042	77.0752	24.0146
6917	81.9522	207.1085	70.5504	107.6603	60.9658
14594	81.8469	23.9145	32.6840	-21.2989	26.1810
9788	81.8230	122.9006	46.7684	207.8074	64.5521
23043	81.7799	122.6782	21.5207	172.4627	44.1924
2880	81.6746	37.0159	14.8125	61.6067	21.7007
14337	81.6651	239.9225	32.1748	308.3251	50.5088
5726	81.4545	59.7409	16.5892	92.9327	28.6776
9521	81.3493	65.8090	13.5422	92.0760	22.2797
8440	81.3301	156.6240	30.9800	104.9144	36.1090
17495	81.3206	544.9712	92.4873	375.0940	90.9501
7060	81.3206	383.8079	117.4177	296.2564	75.5050
21119	81.2967	191.4324	26.9123	239.7644	45.3520
1182	81.2871	70.2302	18.8770	107.7135	26.2306
15786	81.2775	149.8647	38.0848	88.9610	41.4774
6789	81.2584	636.6515	175.1664	462.0210	85.3071
6658	81.1818	90.9486	22.1946	135.2010	31.2399
8515	81.1722	284.2977	162.9443	519.0955	137.7033
11561	81.1100	101.8620	27.5891	64.7334	22.7099
9801	81.0957	127.8069	29.6080	206.6474	71.1527
8356	81.0335	126.3052	28.1786	178.4201	42.6519
17614	81.0239	114.4329	43.6818	184.2400	51.7067
1685	81.0144	8546.8465	11550.1541	16297.7927	9670.1461
9186	80.9809	20.6067	24.7195	53.3468	31.2583
24012	80.9426	1380.0285	367.9359	922.5454	231.8686
24129	80.8660	97.4502	24.3140	148.3880	38.5966
17917	80.8565	49.7315	112.7341	-210.2743	164.0051

TABLE 5B: ALKYLATING AGENTS			Atty. Ref. 44921-5090-01-WO/2105485		
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
17892	80.8230	133.1790	82.8102	500.4147	308.6848
23385	80.8230	34.8506	19.6899	67.4320	26.9774
2214	80.8134	23.1353	15.6220	48.1076	19.1854
11632	80.7703	245.8868	52.8498	339.3667	77.4808
13887	80.7608	42.0020	14.9669	76.6187	25.7957
16713	80.7512	245.9244	52.1236	336.8610	64.0700
6276	80.7512	36.0211	47.9516	103.7553	45.6000
9409	80.7273	32.7671	11.1490	55.0538	23.5680
11628	80.7081	203.6646	44.9926	304.7981	79.1293
8468	80.6124	152.0274	44.8297	257.8287	84.3043
18691	80.6124	2396.4705	628.0103	3968.4435	1196.6683
6334	80.4880	366.9402	55.6784	300.3871	52.9436
21990	80.4450	97.6227	50.6873	16.0942	66.0429
3319	80.3923	16.8291	13.8402	35.5651	15.6556

TABLE 5C: ADRIAMYCIN		Atty. Ref. 44921-5090-01-WO/2015485			
Timepoint(s): 120, 168 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
20065	99.2723	183.8997	70.9952	27.0773	23.5970
17829	99.0125	165.7909	131.6683	4421.0631	1923.2910
25468	98.9085	36.6577	64.2024	6119.8636	2438.1822
25469	98.9085	63.2684	50.1188	4528.3633	1796.1027
1684	98.7526	89.0179	122.2818	6770.3787	2960.1914
21938	98.7006	231.2675	91.7444	72.0647	24.0884
19255	98.4927	44.9176	24.3850	228.8471	100.5140
19256	98.2328	117.1460	52.0641	416.7285	142.5050
20482	98.0769	5168.1262	986.3126	1597.9097	904.7746
18883	97.6611	158.0252	29.5322	67.9355	25.7012
1174	97.5052	29.3875	14.7446	-49.4517	23.3909
18907	97.4532	17.1561	12.0112	446.2084	255.5783
16448	97.4532	49.2018	12.3050	283.1604	132.0897
16924	97.4532	14.3123	39.7356	227.5564	105.7147
4594	97.1933	20.8843	8.3975	87.7948	53.1804
956	96.8295	56.2043	24.1425	221.5609	95.7116
18881	96.5696	42.5293	9.7059	18.4425	7.7913
16610	96.5177	441.4807	35.9444	757.8194	180.8820
17227	96.4657	617.3444	94.1237	374.3329	70.7076
17760	96.1538	497.1910	48.6205	303.5142	78.3806
15056	94.9584	0.6888	2.5754	22.1041	15.6263
25765	94.2308	30.6901	6.3798	65.7805	19.4180
24775	94.1268	4.3639	8.9454	40.0668	20.4915
1586	93.9709	153.0619	16.0525	102.3870	23.5273
9223	93.9709	-2.5494	13.2241	59.7208	46.1898
24506	93.4511	20.7437	16.1857	93.1557	47.7833
4418	93.2952	31.9637	4.3417	34.4959	29.6694
2079	93.1393	1233.9396	75.7770	1579.3870	253.4903
20888	92.8794	745.0763	70.1047	490.9188	132.2520
21623	92.8794	1333.2177	151.5873	1989.0003	390.5994
17599	92.8170	301.5754	145.1718	67.4111	46.5538
23225	92.7235	12.3479	5.7285	90.0362	220.5098
25517	92.7235	38.8209	17.6003	164.9523	104.4392
17226	92.6611	359.4217	64.3602	189.1713	43.8908
14966	92.4636	-29.1245	18.8958	40.2943	45.7010
1522	92.2557	308.6408	59.6964	163.1935	73.1540
22773	92.0998	255.7841	74.9933	460.0795	111.7997
11152	92.0894	557.2671	220.7868	211.5257	80.2627
16925	91.9335	512.6284	202.3815	979.1897	171.7185
23778	91.4761	23.6922	6.0522	57.9147	31.2877
17541	91.2578	198.5566	46.9188	81.2000	50.4977
16018	91.0499	323.8912	34.7586	201.5575	57.4594
20073	90.6861	0.9459	5.7273	40.0808	19.4090
4405	90.4366	15.8925	3.3639	25.0584	13.1488
24695	90.3742	453.4644	75.2141	299.0488	61.7532
25676	90.2287	59.5410	41.7671	167.6913	66.3227
17727	89.9064	577.4152	53.1830	411.9085	74.7992
18065	89.8545	116.8633	24.0688	63.5006	21.4720
14968	89.8025	96.0389	40.7561	255.4619	81.4502
6108	89.6985	752.4260	142.3411	469.9789	105.7585
21695	89.4491	-9.1950	9.6046	35.1283	73.3789
22435	89.3867	1158.4434	173.1666	735.9354	180.0352

TABLE 5C: ADRIAMYCIN		Atty. Ref. 44921-5090-01-WO/2015485			
Timepoint(s): 120, 168 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
17759	89.2827	149.5568	14.5193	84.5285	36.3592
21746	89.2308	816.6727	103.5026	513.3917	123.9903
10498	89.1892	1497.8929	48.1531	1378.3258	276.5810
16426	89.0229	634.7232	367.7003	1682.6068	491.6851
16217	88.9293	1472.9648	370.2267	2337.2435	632.6166
1291	88.8669	392.3356	52.9019	255.6265	54.9647
17731	88.8150	170.2621	34.1005	85.8118	43.3807
436	88.7734	78.5997	6.2549	58.2561	17.3686
25770	88.7630	52.9155	31.2005	161.0254	59.8719
9388	88.5551	36.0405	19.5702	-58.0892	46.8516
1867	88.4615	780.5661	39.6208	651.7755	124.5667
19646	88.3576	75.7858	16.9079	149.3923	60.3960
16780	88.3472	111.7912	19.0973	70.4368	20.0443
16926	88.1913	597.8380	183.1247	1064.0928	211.8961
3203	88.0873	490.6298	67.5512	351.1566	73.4231
16228	88.0873	1.8880	13.9522	45.7859	27.5614
3244	88.0353	236.9812	39.9570	175.4901	33.1031
1845	87.9418	-35.4912	18.1201	50.3417	75.5274
12299	87.8690	789.9328	138.4112	431.7056	111.2095
767	87.8274	-4.0207	11.9887	22.9078	15.9351
4450	87.8274	653.2107	95.7838	463.9743	94.0993
15570	87.8274	250.1856	112.2506	625.2026	205.6496
20971	87.6819	114.4825	5.4332	92.3298	20.5939
17057	87.5780	76.2930	6.5559	58.1030	16.5216
9501	87.5676	161.4916	20.5486	118.3188	23.2574
17285	87.4636	337.5447	23.6994	238.4030	68.7203
15569	87.3597	138.4769	81.8986	454.1432	185.9486
20816	87.3077	405.3420	105.9939	780.2926	230.1953
3430	87.2973	214.2634	88.1351	106.9822	26.1705
20960	87.2661	664.9480	46.3234	520.9765	116.5653
15517	87.2141	44.6913	7.7999	69.8491	20.3743
19040	87.1622	172.6411	24.4019	255.7760	77.7245
5159	87.0998	318.5259	70.6302	172.3592	76.4086
17742	86.9854	30.4573	23.9803	-4.7075	9.8579
3431	86.9335	1176.3691	361.7949	617.0483	144.4116
16649	86.8919	357.9935	33.4191	258.8069	55.7162
18867	86.8295	384.3156	106.1680	180.4287	69.4099
4130	86.7360	105.3641	54.5557	243.3050	74.1218
16716	86.6944	158.3732	16.1545	219.5175	55.3518
24354	86.6944	29.2853	4.1889	14.8199	15.0056
1803	86.5800	197.6202	27.0128	148.6496	26.7689
15957	86.5281	176.1742	109.7266	367.4182	101.7904
16520	86.5177	86.0059	29.0386	42.2329	18.0939
11384	86.4865	46.1577	5.5310	33.2389	10.9879
15052	86.4345	2047.1863	228.9277	2747.7425	646.9050
17301	86.3721	207.3871	108.1265	504.5765	154.1255
25716	86.3306	423.6299	94.7456	813.2816	361.4851
1323	86.3202	326.3527	54.9693	182.5352	77.4476
1687	98.8565	82.8701	42.5093	4478.5712	1762.4439
1689	98.8565	83.5162	88.7163	9117.3811	4011.1269
6073	98.8046	-23.4120	6.7898	63.8808	46.0409
17832	98.7526	35.6451	35.6118	5650.1374	2300.8816

TABLE 5C: ADRIAMYCIN. Atty. Ref. 44921-5090-01-WO/2015485
Timepoint(s): 120, 168 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
26150	98.7526	5.8999	46.3755	3017.0252	1982.7759
19358	98.4407	128.9540	60.4569	2484.3599	939.6377
1685	98.3888	241.5861	165.9362	16287.4406	9692.8631
3780	98.3888	2187.1981	696.9890	308.2735	265.9432
1688	97.9730	143.6612	153.4284	9096.8112	5251.4573
2142	97.8690	114.9472	27.2867	-4.6144	40.7838
6276	97.5572	-1.8410	8.4152	103.3040	45.7359
21206	97.5052	111.3423	20.6905	-8.2238	44.4836
23115	97.5052	275.7943	51.5085	131.3923	55.0440
6059	97.0894	56.1530	14.9334	129.2172	34.0351
1686	96.7775	-356.6447	90.3239	51.4239	168.8423
4930	96.6736	606.4752	64.1424	358.1455	95.2190
5507	96.2058	480.9383	116.1597	1109.3895	300.9933
17761	96.1538	748.3425	80.4399	452.8424	114.6100
11372	96.0499	90.7225	34.9830	263.2703	80.0173
14604	95.5821	298.7850	52.7556	584.8230	153.8914
12450	95.4782	471.8425	103.1775	924.4552	227.0174
11017	95.2183	16.6967	16.2266	104.8072	46.8270
10780	95.1663	345.7198	67.6483	191.4259	56.3170
17830	94.9064	-7.6949	5.1508	49.0813	42.5974
11724	94.7505	26.0631	12.0626	109.3173	47.9814
6997	94.5426	79.2642	30.2114	188.0745	56.7248
11227	94.3347	832.7849	40.8394	1173.5756	267.1579
17762	94.2308	730.4753	71.4551	508.3838	106.3994
17220	94.0748	224.2669	20.5587	372.5064	93.4378
16293	94.0229	108.0721	31.6073	217.9964	58.4308
8445	93.9189	35.5784	7.9567	9.0655	16.5974
3368	93.8669	48.2527	7.5780	24.8418	19.4550
12011	93.8150	489.1382	31.7598	655.5020	104.9197
18513	93.7110	124.8409	46.0884	285.5847	99.4405
13116	93.5031	291.3307	20.1486	223.3274	37.7300
14257	93.4511	101.8823	52.7822	279.1938	98.7108
12582	93.3992	-3.6689	8.4496	44.9685	27.3215
13082	93.2432	24.9612	6.3814	-9.3904	26.1971
18528	93.1913	173.4085	49.5727	439.3200	173.2623
2852	92.7755	166.4303	85.8937	432.7807	134.9900
2782	92.7235	99.1453	22.4863	55.6580	44.3586
14337	92.6195	227.2382	17.8487	307.6037	50.7651
4049	92.5676	96.1146	31.5224	43.6756	131.4153
19474	92.5676	186.0493	45.7526	453.9572	169.6835
10930	92.5156	93.0461	14.7709	39.4755	35.8064
23957	92.4012	332.6110	76.8212	115.7446	64.8693
20738	92.0998	232.8163	27.7875	315.7514	54.1323
9775	91.9854	328.5683	66.0503	179.1884	43.0925
16003	91.9439	302.8644	33.7938	207.5909	56.7946
3085	91.8919	219.8210	26.6963	161.9272	32.8118
7292	91.8919	67.0870	15.6586	120.4053	31.0428
4716	91.7775	218.7680	47.3553	124.6232	29.1857
19451	91.7360	22.7486	6.1882	61.4203	32.6047
3269	91.7360	36.0455	11.6086	93.1567	41.7681
17644	91.5281	323.3049	35.6007	455.3627	88.8272
23012	91.5177	241.8912	70.0074	115.5417	37.4214

TABLE 5C: ADRIAMYCIN			Atty. Ref. 44921-5090-01-WO/2015485		
Timepoint(s): 120, 168 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
14861	91.4761	52.0096	7.7895	33.9505	11.2329
6658	91.3202	82.5245	17.0202	134.7365	31.4251
5322	91.3098	30.7770	13.0747	-10.0923	19.8566

TABLE 5D: ADRIAMYCIN Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6, 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
643	99.3243	216.9566	142.7145	17.6023	11.4535
20082	98.9085	165.2679	36.6385	64.8118	22.9240
910	98.5967	81.2270	30.1697	25.0230	9.4725
17541	98.4927	338.5557	77.7199	79.7447	44.3402
1169	98.3368	84.6623	6.2572	48.6961	12.1453
20506	98.3368	44.8637	10.3246	19.9840	6.1565
912	98.2328	606.8919	57.5386	379.7166	61.7792
25705	98.1809	969.4127	177.3847	355.4504	100.2820
1170	98.1289	129.9053	7.4611	74.3075	19.9617
18403	96.3098	1700.8952	143.8684	2752.9468	558.3881
15956	96.2578	90.6138	10.4705	51.1452	16.3615
1503	96.1019	103.7368	15.6676	54.6586	18.6767
19238	95.8420	110.7431	13.8001	196.2968	48.1984
18654	95.0104	72.0700	35.6079	219.3176	64.0544
24219	94.0748	416.8151	49.1940	295.3830	84.8118
1841	93.5551	106.7482	12.8901	60.8845	27.6218
634	93.0249	361.5323	117.1735	93.8808	48.1614
21975	92.9834	259.5442	22.8223	180.7023	79.8230
911	92.6611	37.9401	28.6107	-19.3470	24.2912
18647	92.6195	249.5819	17.4494	173.6777	54.1203
16714	92.4532	30.4504	6.9013	12.1320	5.3544
18706	91.9439	415.0758	123.4227	1163.5138	504.9233
4325	91.9335	63.3989	14.4718	28.7876	11.2487
1497	91.6840	1644.8464	189.9219	2685.9776	946.5933
15150	91.5800	95.3715	15.0073	154.5278	39.0994
11865	91.1123	35.8316	6.2345	64.6226	19.4464
20740	90.8940	804.7740	146.0843	447.8767	140.3697
15402	90.8524	242.9727	21.7656	331.3109	61.9613
20801	90.6861	126.2442	20.7386	78.0618	18.0951
6653	90.6445	185.4673	19.4279	131.5378	35.2556
4504	90.3222	304.6935	83.1008	164.7594	52.9684
52	90.2703	121.3335	27.1611	73.6168	21.2811
20724	90.1767	30.8177	4.7813	17.2729	11.3466
20982	89.8545	117.2682	31.4452	222.4598	50.1804
11857	89.3971	43.7652	10.1433	97.7911	43.8492
15884	89.3451	500.6086	60.3145	724.0523	187.8326
22646	89.3347	112.1522	19.2104	68.7152	17.3910
15391	88.8669	575.7964	61.0521	383.9391	91.6424
20177	88.5135	13.6744	10.3461	42.3135	19.1616
1638	88.3576	110.5316	10.5506	153.0325	50.0039
21657	88.2432	1364.8628	180.0082	951.9256	227.3234
322	88.1809	59.4921	26.4817	18.7707	10.4430
4477	88.1393	27.0503	7.0810	14.4620	5.9998
635	87.8170	278.4199	126.0403	92.7541	36.8862
7927	87.7859	88.2266	7.6636	64.7494	21.2123
15269	87.6715	296.3984	14.3654	233.6963	46.3899
5733	87.6611	30.5929	18.7185	-0.0338	6.7457
18655	87.6195	58.6545	32.8191	156.4812	62.5568
17661	87.5156	277.5417	36.7459	189.1638	49.1745
20483	87.4636	2157.1056	652.1908	4036.7914	1012.8776
1396	87.1414	37.6173	12.6511	20.5672	6.2547
17936	87.0998	45.0405	7.1106	28.8256	10.6275

TABLE 5D: ADRIAMYCIN		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 6, 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
22903	86.8919	249.5228	16.6708	198.1381	29.6702
25550	86.8295	218.7412	65.5518	118.0982	28.0744
25104	86.7464	173.3228	24.8995	174.3623	91.0804
15707	86.7464	19.1016	5.2982	45.7955	24.2428
9084	86.6944	24.0231	5.9793	42.6019	15.6389
20959	86.6944	293.4018	28.9076	219.0742	62.2940
20448	86.6320	149.8320	70.9074	79.5449	131.0411
15460	86.5904	105.8124	11.3399	103.1174	74.2204
20619	86.5904	8.7819	3.4581	22.1526	13.3341
24279	86.5800	24.9137	15.3730	-8.8212	19.5805
4235	86.4761	440.9827	50.9818	323.9580	67.5564
15642	86.4657	471.4492	90.6235	261.8865	66.5316
6499	86.0603	26.4101	18.4710	67.7942	25.1315
1498	85.9667	1828.3416	477.9028	3037.1137	1026.7384
25907	85.8940	34.7316	14.8217	7.2962	10.2408
16221	85.8628	389.3234	99.4201	749.3613	303.1582
2881	85.8524	248.3743	36.6335	398.4306	92.5954
18389	85.8004	214.1060	148.3985	840.1938	467.3910
16518	85.7484	1047.5740	127.2169	770.9344	277.9102
1298	85.6549	45.8414	7.7269	25.8116	21.4468
8899	85.6445	1148.2060	114.5846	885.3715	149.8441
14995	85.6029	21.5158	5.3712	11.3393	16.3173
23340	85.5925	180.8155	58.3779	246.6393	47.2515
18731	85.4886	224.1048	21.9383	168.9408	32.7527
20916	85.4782	71.4310	19.9888	39.3071	14.0772
1760	85.2807	119.4358	30.8964	183.4883	42.1376
25290	85.2703	689.4077	164.7814	387.2016	107.0111
25589	85.1871	331.9741	32.5161	255.7043	60.6365
16419	85.1767	371.6173	29.5948	297.6059	53.4572
20461	85.1351	55.1955	13.7311	86.3242	45.4222
11353	85.1247	63.3792	10.8105	45.6297	14.4738
16123	85.0104	202.3612	59.3562	104.8820	47.3069
15281	84.9688	166.7673	28.0582	122.4601	30.0519
25650	84.8233	21.1735	8.8572	46.3942	26.6247
22196	84.7609	70.2694	7.7501	49.8076	17.7310
13358	84.7089	39.8028	10.2977	24.4382	10.4002
17658	84.5530	71.5205	14.8852	41.0076	20.4000
1834	84.5530	8.8770	2.9883	21.1344	12.8485
19864	84.4387	38.7348	8.4642	19.6016	10.4356
363	84.3451	21.1611	19.4238	45.2277	20.3060
882	84.3347	58.0744	19.1515	21.1244	14.8712
17264	84.2931	40.0066	5.1747	27.0710	8.2749
13420	84.2516	539.8793	61.9590	449.4794	101.2766
11454	84.1788	346.1348	92.1226	208.8677	61.9861
21007	84.1788	241.3877	56.8287	110.2139	87.7943
1037	84.1268	43.2151	15.4363	13.8391	18.6849
22411	84.0748	165.2394	47.3941	91.9562	36.9579
20065	84.0644	190.9918	130.8571	27.0036	20.4934
14718	99.5842	230.6674	92.5533	24.3979	17.5884
10345	99.4802	785.7281	263.4749	109.0319	43.9117
21353	99.3763	619.7295	135.9931	249.8067	54.2198
5689	98.8565	92.1895	15.8960	15.2510	19.4734

TABLE 5D: ADRIAMYCIN Timepoint(s): 6, 24 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
18525	98.8046	247.4470	76.1870	83.6691	20.9258
21361	98.6486	147.2292	11.1460	77.8154	20.5116
18744	98.3368	233.1903	38.2309	108.4112	28.0388
21254	98.3368	328.6679	54.1566	620.6906	122.0782
4107	98.2848	287.3556	71.3956	108.7256	67.6220
4730	97.8170	550.6699	113.3865	1080.5117	209.6997
12802	97.6091	282.1259	49.2121	144.4730	34.5800
3932	97.3493	225.9943	24.7725	399.0604	84.6947
2856	97.2973	711.0095	112.6609	1241.6349	244.2494
12662	96.7775	23.0931	8.1247	86.0459	31.0034
12346	95.3222	110.3221	20.4632	683.4106	437.6173
15959	95.2183	130.9661	43.3624	284.5307	67.5813
22261	94.7505	78.6864	10.2432	41.9082	16.7031
15197	94.5426	183.6678	36.5280	312.3558	63.2669
8786	94.2308	364.1967	47.0109	261.2237	46.3004
5430	93.7526	95.4299	30.6522	23.1385	11.6235
21275	93.7526	588.1090	149.1494	280.4007	62.0459
6550	93.6071	282.7144	36.3233	453.0715	99.9325
9649	93.2952	22.8734	10.8883	73.5961	32.9098
19729	93.0769	294.7338	58.5447	104.6943	58.8170
22490	93.0353	562.3828	33.0440	440.7810	76.6241
14594	93.0249	62.1960	25.5700	-21.1329	25.8521
11761	92.9314	90.0729	18.6131	158.6863	40.7323
13966	92.8794	153.8149	18.0076	104.6423	27.4724
3740	92.5156	255.3806	20.7166	183.4331	40.9137
2341	92.4636	360.3613	21.4285	257.4395	68.5038
23831	92.4116	333.1632	29.7634	244.7664	55.8627
2661	92.4116	45.7200	21.1768	-68.4445	135.4444
2655	92.2973	399.7943	115.7514	177.9087	66.9156
6357	92.2037	380.5703	17.8610	308.6225	44.8102
14524	92.1933	160.2642	37.6385	74.1406	22.8551
6039	92.1414	880.5708	128.2510	563.6415	89.7156
4866	92.0894	353.6625	66.7457	186.8359	112.6854
7524	91.9854	867.7427	119.4344	559.3273	92.3745
3242	91.8919	149.1652	21.1623	252.5094	83.0593
8980	91.7775	93.2571	24.9282	44.7612	14.5846
6121	91.7256	32.3956	10.0648	11.1461	8.1731
14028	91.6216	274.8718	46.6289	122.5672	55.7250
16752	91.5281	26.0467	17.7967	108.3065	52.2097
15645	91.4137	897.7752	238.9347	459.8227	155.6830
24012	91.3098	1729.6850	410.6969	924.6174	229.0811
21757	91.1642	75.1816	6.6705	54.0852	17.9561
16493	91.1123	149.5420	28.0005	224.4010	49.8893
18885	91.0603	147.5520	8.9873	117.6945	23.2465
14525	90.9459	35.2680	6.0949	13.2939	9.0161
11901	90.8004	321.5218	26.4281	200.4564	94.9507
23444	90.8004	380.3160	32.3748	290.4801	51.9021
12529	90.8004	178.6648	13.5051	263.5560	77.6532
9380	90.7900	28.9561	34.5402	181.8779	73.5947
19828	90.7380	146.9447	22.3959	81.0911	27.0328
17489	90.6445	1017.3793	54.3100	1260.2779	224.7209
4770	90.5925	190.6164	6.5190	172.1854	45.3478

TABLE 5D: ADRIAMYCIN			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 6, 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15416	90.5821	100.5402	25.4513	50.1430	23.0422
9942	90.5821	520.4679	58.6501	329.0809	80.4027
6758	90.4262	40.7626	12.4545	15.5272	11.1309
9579	90.2703	73.0852	12.2775	30.0760	21.5387
6789	90.2183	690.1254	114.6606	463.6435	88.8137
6686	90.1663	202.7423	35.4602	335.5334	59.0684
18943	90.1143	248.4443	46.8046	150.0480	42.4641
8110	89.9584	73.2159	13.8912	39.5861	15.8997
6974	89.8649	439.9621	60.1488	672.7254	169.4559
15173	89.8129	154.5984	25.7401	248.0312	62.7376

TABLE 5E: AMPHOTERICIN B Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
363	98.5522	95.3786	8.9412	44.7195	20.1520
13683	98.3971	113.7606	8.9316	196.8831	38.0878
21975	98.3454	394.7340	25.6138	180.4109	78.5368
17765	98.2937	2324.0066	177.5669	1391.8410	280.3635
6581	98.1386	52.0932	2.3469	87.0805	18.9598
15829	97.7766	364.9374	112.7083	49.3079	69.6881
17255	97.4147	112.8144	25.0925	50.9973	17.6989
17764	97.2596	3113.5854	275.4642	1942.2845	392.7246
2005	97.2596	101.5426	20.2833	40.1465	17.5466
25098	97.0010	59.0112	12.7713	15.8721	17.7194
21445	96.7942	83.5574	22.0419	10.5575	22.8185
1466	96.5357	801.7236	189.5122	447.2700	108.9977
16173	96.4840	71.5274	24.0334	13.4328	26.3857
24520	96.4840	146.3410	37.4706	51.0250	39.2486
20795	96.3289	240.0478	37.8245	112.2033	63.6121
4541	96.0703	256.8396	28.7640	444.4358	105.5209
1168	96.0186	24.4684	6.3814	6.1080	6.5377
1063	95.9152	61.3382	11.7391	22.6010	13.9335
15888	95.8118	545.6914	33.0164	791.2888	146.0130
16725	95.5016	26.3318	3.1236	14.6195	8.6242
1530	95.2947	134.4930	4.7830	193.4364	41.9915
1808	95.0879	260.5106	50.7959	95.4451	156.3507
23307	94.9845	105.8904	5.7454	68.7553	19.9460
18269	94.8811	186.7768	10.2046	265.5162	47.3855
15037	94.8811	88.3486	75.2186	250.9847	68.1165
18135	94.7260	205.3204	27.7518	138.8598	28.3593
12638	94.7260	52.7372	4.9146	31.4438	13.4629
14927	94.7260	86.6624	5.9265	58.9483	26.4175
4832	94.6743	622.8410	30.7624	878.0888	210.5414
18647	94.6225	299.1670	48.9037	173.8138	53.7113
12364	94.3123	88.0436	10.9307	150.4199	39.8522
20982	94.2606	128.8742	22.8767	221.8559	50.8029
6963	94.2089	284.6574	21.5556	177.3548	55.0450
14997	94.0538	532.5096	26.2041	745.6824	155.8938
17782	94.0021	212.7698	5.1155	262.7259	45.9986
4133	93.9504	69.4434	7.0420	103.9600	20.9691
18316	93.8469	1812.8340	67.9489	1337.5132	363.5887
21076	93.8469	126.1870	2.2627	122.7885	28.6879
4003	93.7435	156.9270	23.7070	105.5632	36.6164
10888	93.7435	72.2890	4.9749	52.5194	31.1627
16712	93.6401	270.7052	24.4385	378.4982	64.2954
11949	93.6401	47.0104	2.6055	32.8307	10.4141
20889	93.5884	446.4512	48.3340	289.2922	81.5171
25470	93.4850	145.7756	6.8738	113.0224	50.4424
11840	93.4333	99.4078	18.4037	67.5322	17.1482
18160	93.2782	1544.5864	208.8434	2365.1941	472.0023
18315	93.1748	1659.1842	92.4979	1137.8314	341.4328
23568	93.1231	56.3398	3.6719	39.6928	10.9466
8289	93.0714	54.4228	6.8826	100.8121	37.8497
9254	93.0714	192.8216	8.2676	252.4518	48.2105
22972	93.0196	73.0742	1.3045	61.4735	15.6494
16319	92.9679	51.1142	16.3777	22.3746	14.1136

TABLE 5E: AMPHOTERICIN B			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23362	92.9679	426.0204	17.3942	343.4339	62.4496
12365	92.9162	290.6726	24.7316	415.2956	75.0078
24248	92.8645	44.7288	2.5973	84.7763	130.0657
10660	92.8128	103.7266	10.7389	68.1244	17.6433
3474	92.8128	412.6048	20.7951	562.5296	105.3201
3879	92.7611	62.0656	33.4228	143.3410	47.3596
21683	92.7611	71.7498	9.5771	49.1710	36.4277
23310	92.7611	111.5548	6.3510	79.1597	28.4913
16942	92.7611	1147.5794	59.7372	1474.2555	240.6343
8661	92.7094	46.7326	22.0667	12.0085	69.6966
6782	92.7094	532.9708	37.1082	386.4038	89.6160
15438	92.7094	243.1736	4.7951	237.9922	63.3389
20888	92.6577	761.7078	90.3406	492.1469	133.0403
15887	92.3992	445.4306	32.0721	735.9139	265.1712
25997	92.3475	35.7280	2.7572	21.6537	9.8626
6892	92.2958	109.7348	24.9276	68.1920	36.0660
16524	92.1406	26.0014	0.6163	24.0262	6.6033
162	91.9338	72.0436	6.2772	42.2120	23.7190
14621	91.9338	133.9782	5.3673	169.1670	37.0095
3473	91.9338	110.2048	7.6062	151.5009	31.2498
21523	91.8821	84.9384	49.7825	190.7646	64.7551
11950	91.7270	76.9350	19.8714	36.5774	18.9318
4447	91.7270	41.4458	5.2281	22.4024	11.6597
17083	91.7270	64.1218	2.3053	68.1787	24.9963
22845	91.7270	656.6956	10.3788	665.3096	137.0397
1571	91.6753	220.1688	11.2160	172.4479	54.2278
24113	91.5719	31.8484	9.3282	10.0764	12.6795
1011	91.5719	24.4862	1.0211	20.7041	10.9071
13682	91.5202	151.1948	22.7722	289.9873	111.5601
23705	91.5202	195.9970	10.0343	265.2100	68.8168
167	91.4685	926.7020	100.1165	583.3957	174.4638
14981	91.4685	6611.0257	235.5070	6602.9446	2802.3734
20960	91.4168	695.7130	40.8447	521.5618	116.5608
239	91.4168	196.8380	5.6170	165.2513	98.8622
17257	91.3650	237.8380	26.6343	365.0675	115.5430
1638	91.3650	97.1086	11.0557	152.8822	49.9046
6980	91.3133	86.7840	16.2914	148.3850	43.1784
1097	91.3133	189.8588	26.8178	303.5643	100.0578
1311	91.3133	50.1778	2.7926	34.6061	14.6630
20484	91.2616	6292.0150	199.9022	6403.6069	2308.2101
25104	91.2099	346.4496	54.9456	173.4618	89.9549
21654	91.2099	244.6286	15.9412	204.8756	76.0734
25371	91.2099	100.7812	3.4622	93.1960	36.5943
22763	91.1582	65.3412	9.0858	40.9351	12.9578
18068	91.1582	104.6786	6.5163	83.3030	14.9982
13392	91.0548	152.4578	10.2255	201.4157	39.0008
9541	91.0548	488.1294	15.4711	403.9521	109.5222
18333	90.9514	173.1502	14.7010	228.8726	46.5199
4636	99.3795	467.8500	242.2832	131.1787	56.8828
22042	98.9659	339.3684	75.1597	100.0167	61.0272
21740	98.0352	456.0868	33.4311	276.7652	87.8126
4278	98.0352	88.0498	8.5371	42.2011	20.3576

TABLE 5E: AMPHOTERICIN B						Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs						
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox	
11702	97.8800	341.7226	106.4546	133.7083	46.9314	
5615	97.8283	106.7826	21.8574	38.5771	17.6661	
24089	97.7249	637.6374	199.6779	214.0869	97.2781	
2729	97.6215	217.5804	28.4467	480.5092	152.3810	
18271	97.4664	1192.3508	147.8088	425.4314	237.7902	
18272	97.3113	311.4518	36.7572	111.1531	64.3494	
14117	97.3113	797.5784	46.3252	1161.1975	224.4091	
2539	97.1562	117.4486	21.7002	20.8249	28.9708	
24081	97.0527	-62.7924	31.5162	90.4001	56.9056	
14380	96.9493	504.6868	7.6012	390.4853	119.3580	
5030	96.8976	82.5804	8.5740	42.2192	16.3994	
2795	96.6391	298.0746	45.1563	168.7500	44.6439	
6640	96.4323	305.9566	6.6347	226.6775	61.7066	
1802	96.3806	236.6206	22.6923	153.6587	39.9967	
3003	96.2771	246.2542	50.4901	71.2325	64.2714	
1332	96.1220	228.1560	31.2654	429.7260	110.6224	
23005	96.0703	175.9890	33.8935	95.2413	68.9262	
13080	95.7084	85.6216	26.0184	15.9478	28.1747	
4027	95.7084	48.1146	7.9320	93.0816	38.4976	
23390	95.6050	470.7924	49.6561	330.5827	66.6283	
1998	95.6050	76.4118	10.4035	39.4215	33.8250	
22487	95.5533	44.6356	7.2312	20.8012	10.6784	
9976	95.4498	382.7352	36.1940	643.5721	171.4413	
23409	95.2430	313.2406	29.4152	662.0116	240.1169	
11563	95.0879	265.1508	85.7612	116.7885	54.9933	
19545	95.0879	299.6418	25.9007	186.3541	56.9413	
3445	95.0362	60.3296	5.0442	105.8003	33.8827	
19136	94.9845	296.3566	7.5037	198.4383	69.3125	
13633	94.9328	481.7274	37.8149	343.6374	114.7507	
21713	94.8811	557.4628	59.8614	871.3903	177.2559	
22239	94.7777	519.4526	7.8441	468.5614	146.5563	
14031	94.7777	32.1638	4.9841	17.2851	14.4646	
12187	94.7777	107.6768	8.7988	43.0391	42.0097	
2662	94.7260	35.5306	2.4043	58.1739	31.4068	
22651	94.6743	1021.8184	82.2183	718.8303	160.0003	
4350	94.6743	189.4486	40.1721	454.7927	165.5004	
2063	94.5708	259.2196	24.3214	180.7968	39.3014	
22283	94.5708	232.8566	51.7414	116.3481	45.1469	
23857	94.4157	85.9380	1.3338	86.3077	26.8114	
22801	94.4157	412.0660	27.0817	581.3531	107.7824	
12928	94.3640	639.0730	34.3105	870.5713	154.9074	
16388	94.2606	78.9200	3.6489	54.1389	35.0319	
8539	94.1572	33.9334	5.6627	71.6343	28.8032	
18890	94.1055	511.3890	58.1729	834.1214	206.9359	
5482	94.0538	152.1414	16.7076	261.6230	74.9412	
18891	94.0538	190.5174	36.4661	330.1107	82.2822	
12387	94.0021	137.1570	27.5767	72.2882	27.0901	
168	94.0021	3581.2472	233.5294	2629.7285	522.3154	
13029	93.8987	349.4770	49.3092	202.0514	85.9922	
10658	93.8987	550.8180	120.3156	1363.6323	875.3128	
18916	93.7435	450.5048	105.1152	245.5299	86.3405	
18796	93.7435	32.7492	3.3795	9.1513	22.1154	

TABLE 5E: AMPHOTERICIN B			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
21942	93.7435	2122.6678	364.4996	1379.6582	346.2585
18438	93.7435	706.7616	60.4604	471.0373	122.2648
22218	93.6401	59.8046	9.9566	114.3250	40.0403

TABLE 5F: BI Timepoint(s): 168, 336 hrs		Atty: Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15269	99.1192	143.8120	5.7662	234.9980	46.1245
16427	98.9119	293.9709	76.0378	1283.4863	347.5147
15570	98.7047	177.3863	33.8858	624.5648	205.6038
15572	98.6528	258.6041	46.1393	1039.6946	421.1834
18018	98.3938	570.0360	50.5394	915.5382	131.1932
4467	98.2383	316.5336	74.2216	868.8061	273.1092
17063	97.9793	190.2210	73.2469	62.1965	24.2742
15409	97.8756	1357.7633	248.1126	526.2359	158.9371
14989	97.8756	425.8114	34.0340	731.4218	156.3189
16420	97.8238	217.8023	16.7923	328.5433	49.3070
6451	97.8238	71.3897	11.3390	161.7444	46.7828
17064	97.7202	130.5931	54.8801	44.3384	18.6413
11115	97.4093	72.2707	15.0501	0.3074	22.2583
19244	97.3057	2814.2426	322.2026	1805.7654	295.1347
15884	97.2539	422.5439	22.9208	723.9240	187.2425
15408	97.2021	525.5060	96.4312	264.8164	76.4260
4259	96.9430	1589.8659	190.8676	1025.3792	173.3154
16780	96.8912	132.2681	14.2080	70.4168	19.8154
20807	96.8912	2241.1979	298.0859	1305.3610	278.8448
20844	96.8912	2864.5389	435.1075	1576.0314	350.9617
4843	96.7876	291.0541	19.8623	433.1671	72.7306
23250	96.6839	183.6347	12.5762	249.1065	35.0313
17688	96.5285	104.5840	4.9652	153.8945	29.2358
25563	96.4767	290.8960	20.1097	451.4426	96.7035
22731	96.4249	346.8796	16.1784	509.2853	93.2138
25679	96.4249	2129.1789	260.7942	1410.0568	268.2938
17712	96.4249	1109.7723	136.2022	1728.1144	289.9941
18107	96.1658	702.3460	107.3752	412.5137	101.4433
7148	96.1658	200.7584	19.5780	307.2611	61.5694
9501	96.1140	184.4760	22.5023	118.2863	22.9688
18573	96.1140	240.8931	12.9388	340.8501	59.9261
17507	96.1140	231.2563	37.7161	440.2135	233.0538
1324	96.0622	330.9949	70.2060	605.9855	116.1673
4235	96.0622	201.4274	20.5710	326.0595	67.8226
17729	95.9585	1997.6343	242.8843	1321.3071	222.1143
15622	95.9585	70.8847	27.2907	222.8664	74.5699
20745	95.8031	238.6544	25.7200	358.9398	58.0826
23709	95.8031	800.6951	103.7246	1254.5985	283.8660
11116	95.5959	183.2179	22.4486	36.4703	57.4160
16204	95.5959	1805.7873	167.8985	1271.9758	199.9240
2697	95.5440	3434.9464	560.8371	2244.3433	399.1160
15462	95.5440	35.9110	6.6465	75.7932	21.5556
18054	95.4922	65.8467	8.7215	126.5834	31.3531
14504	95.4922	281.8043	46.7470	529.6716	116.9672
20630	95.4922	726.8354	195.8009	344.2470	142.6618
19222	95.3886	743.1596	63.3540	1114.0604	186.0991
17301	95.2850	210.4029	40.2492	503.6307	155.1346
19768	95.2850	565.7791	47.6790	797.6082	121.6587
21672	95.2332	216.0100	29.2689	375.5837	81.6117
20810	95.2332	3040.8551	331.0841	2016.2404	403.9704
5050	95.2332	272.5644	48.9227	517.4997	119.5573
18539	95.2332	282.9924	41.5679	560.5237	195.9350

TABLE 5F: BI		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 168, 336 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15492	95.0777	198.7870	14.7025	318.2605	69.2163
24564	95.0777	128.0414	14.8501	83.3015	21.4082
23142	94.9741	38.8103	15.7196	17.5146	8.7629
18305	94.9223	3321.3837	543.0109	2110.6323	457.9468
10744	94.8187	76.7056	11.9271	179.7331	57.0739
4243	94.8187	51.3371	7.6677	93.8936	27.3483
20421	94.7668	55.9446	5.1641	86.7888	18.2928
17306	94.7150	7304.2837	1238.4613	4648.0647	1089.5899
25399	94.7150	506.0113	135.7842	216.0530	114.9393
16610	94.7150	427.9930	57.2292	756.9338	181.2608
450	94.6114	5628.8407	997.6780	3736.9132	767.6875
17731	94.5596	167.9773	24.2283	86.0909	43.6820
4517	94.5078	33.0951	3.7148	65.2515	21.2361
21957	94.4560	172.8843	14.1950	243.8138	43.1393
20917	94.4041	69.7076	13.0813	127.3824	31.0256
15116	94.3523	50.5716	5.5540	82.9210	19.4452
6425	94.3005	102.3871	19.7933	171.8848	36.8257
11997	94.0415	414.8107	87.2466	678.7777	122.3944
19319	94.0415	65.5060	4.3582	93.1397	20.9083
17136	93.9896	98.7824	42.6359	523.0232	369.9840
11992	93.8860	141.6666	19.0249	254.9445	70.6907
11405	93.8860	28.9459	2.4888	44.7777	10.6440
7602	93.7306	367.7629	42.0093	527.9297	87.0690
24263	93.6269	0.6497	12.9179	46.8636	23.7843
11352	93.5233	195.3599	21.5531	302.1285	63.2262
16178	93.4715	208.3697	21.0391	295.5385	48.8193
15202	93.4197	1737.1439	249.5668	1014.0869	354.9850
14957	93.4197	61.9469	12.0382	110.9589	25.2231
17517	93.3679	177.5686	26.8054	285.1725	56.4452
8899	93.3161	607.7543	71.7051	890.1090	150.3611
18569	93.3161	639.0183	226.0855	1610.4958	609.7234
21063	93.2642	80.9499	13.0064	139.6931	42.6657
18031	93.1606	211.9716	31.3364	388.4117	96.7759
25120	93.1088	39.7119	10.6457	78.4173	20.9471
1314	93.1088	444.5903	54.8862	660.5187	118.3773
21940	93.0570	63.2817	8.9608	115.0101	32.7113
23854	93.0052	1073.0710	186.4309	708.7255	172.2717
17158	93.0052	434.7516	56.7880	746.7869	209.7555
22891	92.9534	93.1706	5.2413	112.8740	28.6200
21108	92.9534	4.3739	4.9960	26.9621	13.4671
11296	92.9016	22.9944	8.0878	47.6528	13.3005
16099	92.9016	324.4046	32.7306	430.8522	62.0822
3910	92.9016	94.1221	12.6656	145.7204	35.2619
25184	92.8497	6.6997	8.9605	37.3945	16.6925
1762	92.8497	48.8919	10.4947	61.6225	74.3424
17176	92.7979	4333.4994	629.4033	2685.8048	801.1528
1942	92.7979	4.4739	4.1363	45.8718	33.3684
25041	92.7461	79.9310	17.4453	154.7853	45.1670
6158	99.0155	148.6926	39.9027	709.5511	245.4852
22716	98.9119	36.5181	8.5602	173.9637	67.4242
2046	97.9275	47.7550	10.7271	138.1307	44.9137
4585	97.8238	2159.8191	200.3457	1318.4097	247.8512

TABLE 5F: BI		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 168, 336 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15260	97.8238	656.9087	60.8892	376.9953	93.6401
18915	97.8238	398.7401	70.5634	954.6520	267.1831
6984	97.7202	500.2131	65.2292	216.7627	79.0802
9412	97.4611	169.6379	42.7022	46.2183	51.4983
18151	97.3057	559.5641	76.8065	329.0736	68.4657
26213	96.9948	1580.0974	522.2003	577.7325	256.1040
6154	96.9948	319.6549	207.7988	1576.8974	653.0310
5111	96.9948	136.3579	16.9041	365.5307	127.5558
18125	96.9948	189.1237	21.4034	301.4020	62.3747
19783	96.8912	989.0276	159.3433	599.8644	106.5752
6157	96.8912	842.2940	210.1032	2306.7073	831.1001
22387	96.7358	1315.2459	88.4913	912.7375	160.7472
18854	96.5803	71.1124	18.6730	192.2503	50.5585

TABLE 5G: BI--Core Tox Markers		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 168, 336 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
25632	99.3264	332.5001	83.9413	1452.4351	453.8814
15571	99.3264	344.0104	78.5418	1439.4661	471.6357
22385	99.2746	26.5514	7.3273	150.1247	70.4763
15269	99.1192	143.8120	5.7662	234.9980	46.1245
16427	98.9119	293.9709	76.0378	1283.4863	347.5147
6153	98.9119	150.6609	30.1435	624.8155	220.2539
16426	98.8601	445.4373	127.9431	1680.7222	492.3771
15569	98.8601	79.5913	23.8286	453.5891	185.8575
15570	98.7047	177.3863	33.8858	624.5648	205.6038
15438	98.7047	78.9779	17.4427	239.1726	61.9151
15572	98.6528	258.6041	46.1393	1039.6946	421.1834
17739	98.6528	15.4303	9.4566	103.6351	45.2012
4130	98.4974	61.2480	21.2773	243.1962	73.8824
18018	98.3938	570.0360	50.5394	915.5382	131.1932
20482	98.2383	6403.8013	1409.8117	1600.0454	881.6389
4467	98.2383	316.5336	74.2216	868.8061	273.1092
2413	98.0829	393.6166	25.8964	628.0039	103.0437
17063	97.9793	190.2210	73.2469	62.1965	24.2742
18541	97.9275	2922.2450	346.1391	1704.9167	296.4814
25702	97.9275	1261.0071	209.6912	715.4030	124.5918
15409	97.8756	1357.7633	248.1126	526.2359	158.9371
14989	97.8756	425.8114	34.0340	731.4218	156.3189
16420	97.8238	217.8023	16.7923	328.5433	49.3070
8137	97.8238	168.5100	14.2689	307.4580	67.1326
6451	97.8238	71.3897	11.3390	161.7444	46.7828
4468	97.8238	87.6101	25.7620	262.8633	84.0179
17064	97.7202	130.5931	54.8801	44.3384	18.6413
25354	97.7202	20.4040	4.4352	-11.0156	14.5137
5049	97.6166	363.0054	70.0509	739.1010	168.4697
26030	97.5648	2307.6020	329.0437	1120.6411	311.6302
16938	97.4611	3439.4409	525.2792	2017.9291	347.7134
17687	97.4093	47.6730	4.3707	86.8021	19.2858
12639	97.4093	2790.0180	354.1100	1711.9500	272.3493
11115	97.4093	72.2707	15.0501	0.3074	22.2583
25691	97.3057	1740.7939	305.2158	1038.8671	189.4342
19244	97.3057	2814.2426	322.2026	1805.7654	295.1347
15884	97.2539	422.5439	22.9208	723.9240	187.2425
16918	97.2539	3050.6176	559.0742	1652.1325	378.1626
16953	97.2539	2207.6737	341.0509	1297.4032	254.3387
15408	97.2021	525.5060	96.4312	264.8164	76.4260
10498	97.2021	2408.9659	311.0810	1372.0887	260.9108
20812	97.2021	2893.6953	338.0681	1737.4178	310.0129
15876	97.0984	2416.0907	321.7240	1512.9364	235.4590
18606	97.0466	1476.4840	266.8140	819.8315	169.2263
25671	96.9430	324.9419	104.2810	107.2333	60.3073
18611	96.9430	3369.4430	364.8138	2174.7458	408.7371
4259	96.9430	1589.8659	190.8676	1025.3792	173.3154
16780	96.8912	132.2681	14.2080	70.4168	19.8154
20807	96.8912	2241.1979	298.0859	1305.3610	278.8448
17066	96.8912	215.0906	53.7980	99.7993	31.2393
20844	96.8912	2864.5389	435.1075	1576.0314	350.9617
25716	96.8394	2028.4791	531.6447	800.4289	345.3637

TABLE 5G: BI--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 168, 336 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
600	96.8394	213.4506	13.3187	328.3785	62.6328
4843	96.7876	291.0541	19.8623	433.1671	72.7306
10109	96.7876	2069.1210	324.8451	1261.4348	218.7584
22386	96.7358	80.5583	28.6494	347.3349	170.1627
23250	96.6839	183.6347	12.5762	249.1065	35.0313
17204	96.6321	6358.7441	945.0776	3624.5860	854.3594
18542	96.6321	3140.0374	530.3402	1708.6288	425.3914
17688	96.5285	104.5840	4.9652	153.8945	29.2358
25647	96.5285	650.2900	186.4918	245.2281	126.6846
20617	96.5285	637.2713	207.0703	247.7263	121.2902
20925	96.4767	2342.9944	432.2362	1295.9411	323.2822
24264	96.4767	104.7866	21.8573	225.9280	54.9011
25563	96.4767	290.8960	20.1097	451.4426	96.7035
22731	96.4249	346.8796	16.1784	509.2853	93.2138
25679	96.4249	2129.1789	260.7942	1410.0568	268.2938
17712	96.4249	1109.7723	136.2022	1728.1144	289.9941
815	96.3731	2569.5176	392.7349	1481.5505	341.7463
17203	96.2176	4186.3824	491.1366	2494.9794	708.9406
18107	96.1658	702.3460	107.3752	412.5137	101.4433
7148	96.1658	200.7584	19.5780	307.2611	61.5694
9501	96.1140	184.4760	22.5023	118.2863	22.9688
18573	96.1140	240.8931	12.9388	340.8501	59.9261
17507	96.1140	231.2563	37.7161	440.2135	233.0538
1324	96.0622	330.9949	70.2060	605.9855	116.1673
4235	96.0622	201.4274	20.5710	326.0595	67.8226
17729	95.9585	1997.6343	242.8843	1321.3071	222.1143
15622	95.9585	70.8847	27.2907	222.8664	74.5699
17305	95.9585	7999.9451	1186.2557	4595.7351	1347.7841
10878	95.9067	2431.5641	292.1642	1628.2188	275.3474
961	95.9067	198.4494	29.5912	108.3837	57.2710
20745	95.8031	238.6544	25.7200	358.9398	58.0826
23709	95.8031	800.6951	103.7246	1254.5985	283.8660
11116	95.5959	183.2179	22.4486	36.4703	57.4160
16204	95.5959	1805.7873	167.8985	1271.9758	199.9240
2697	95.5440	3434.9464	560.8371	2244.3433	399.1160
15462	95.5440	35.9110	6.6465	75.7932	21.5556
18054	95.4922	65.8467	8.7215	126.5834	31.3531
18686	95.4922	1443.8354	186.2988	905.4019	225.7265
14504	95.4922	281.8043	46.7470	529.6716	116.9672
20630	95.4922	726.8354	195.8009	344.2470	142.6618
16613	95.4922	39.2830	12.2343	95.9704	27.5393
19222	95.3886	743.1596	63.3540	1114.0604	186.0991
17301	95.2850	210.4029	40.2492	503.6307	155.1346
19768	95.2850	565.7791	47.6790	797.6082	121.6587
21672	95.2332	216.0100	29.2689	375.5837	81.6117
20810	95.2332	3040.8551	331.0841	2016.2404	403.9704
5050	95.2332	272.5644	48.9227	517.4997	119.5573
18539	95.2332	282.9924	41.5679	560.5237	195.9350
6158	99.0155	148.6926	39.9027	709.5511	245.4852
6155	98.9119	839.7963	183.1871	2774.3626	698.1220
22716	98.9119	36.5181	8.5602	173.9637	67.4242
16909	98.9119	497.3220	47.7755	280.6717	73.6400

TABLE 5G: BI--Core Tox Markers		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 168, 336 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
6156	98.7047	178.0871	39.9577	654.5772	199.8355
5596	98.7047	48.9820	5.3339	146.3433	50.3921
2852	98.6010	135.1614	25.3872	432.1795	135.3618
17358	98.3938	3310.9373	322.5242	1747.5259	419.0780
24072	98.3420	58.5759	11.6797	18.3395	10.2706
3780	98.2902	1800.6897	455.8818	316.9184	306.7920
19094	98.0311	3011.3891	403.2544	1729.2848	310.2172
24310	98.0311	86.8350	30.7300	309.9478	93.2590
23927	97.9793	472.3723	134.9741	110.8209	89.1579
2046	97.9275	47.7550	10.7271	138.1307	44.9137
4585	97.8238	2159.8191	200.3457	1318.4097	247.8512
15260	97.8238	656.9087	60.8892	376.9953	93.6401
18915	97.8238	398.7401	70.5634	954.6520	267.1831
6984	97.7202	500.2131	65.2292	216.7627	79.0802
13161	97.5648	5.6410	12.7952	143.5556	64.4179
24521	97.5648	11366.8939	2042.0096	5437.9333	1388.7504
26133	97.5130	651.9266	291.6274	185.0980	106.2449
9412	97.4611	169.6379	42.7022	46.2183	51.4983
2103	97.4093	4941.1484	817.8208	2596.4749	595.6015
23687	97.3057	7377.1766	1444.2335	3148.1445	977.5333
18151	97.3057	559.5641	76.8065	329.0736	68.4657
6205	97.2021	277.4434	24.5348	437.3203	83.2028
10820	97.1503	3615.7761	669.0368	1860.5891	450.3442
26213	96.9948	1580.0974	522.2003	577.7325	256.1040
6154	96.9948	319.6549	207.7988	1576.8974	653.0310
5111	96.9948	136.3579	16.9041	365.5307	127.5558
18125	96.9948	189.1237	21.4034	301.4020	62.3747
22717	96.9430	213.9299	65.0869	656.9763	184.0001
3271	96.9430	281.7454	23.0722	472.8696	88.7627
19783	96.8912	989.0276	159.3433	599.8644	106.5752
6157	96.8912	842.2940	210.1032	2306.7073	831.1001
24268	96.7876	48.9863	15.7598	152.4360	46.6498
22930	96.7876	65.0423	24.9483	332.5378	143.1938
10971	96.7358	89.8383	19.1440	42.0165	15.5461
22387	96.7358	1315.2459	88.4913	912.7375	160.7472
17155	96.5803	1013.4049	154.9830	552.1988	158.2252
18854	96.5803	71.1124	18.6730	192.2503	50.5585

TABLE 5H: CLENBUTEROL Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15867	99.1736	401.2945	167.6115	38.0902	47.6847
23651	98.8120	194.9143	58.0033	43.9816	160.6078
21000	98.3988	10.9638	0.2819	22.8672	19.9926
24859	97.9855	102.9063	22.0298	22.8379	19.8724
16696	97.7273	197.2963	8.1224	302.8795	59.3996
17215	97.6756	86.5150	6.6657	168.1356	43.5737
23868	97.6756	67.3360	8.0151	218.8534	231.6084
15191	97.5723	517.4620	128.7504	183.9005	563.8396
12580	97.5207	33.8560	1.6003	19.5502	9.4737
20589	97.4690	490.8580	164.2942	148.3860	88.2875
1523	97.2624	149.7348	3.2732	212.0033	52.0601
19549	97.2107	5.7080	2.5474	42.7500	22.3031
16918	97.1591	2852.3920	322.0410	1657.2857	390.3238
22321	97.1074	391.6135	39.1905	173.4379	96.5339
11997	97.1074	460.1595	17.7043	677.7722	123.6360
574	96.8492	972.5473	57.9899	604.4586	158.0302
25802	96.7975	954.9178	117.8821	599.8418	153.6054
15640	96.7459	287.6770	20.3299	141.2940	60.3599
15641	96.6426	379.4980	27.4243	173.5264	86.4782
18122	96.4876	81.8923	21.0338	18.9802	40.6070
20983	96.4360	332.2185	11.0218	478.6360	109.8306
19040	96.3843	413.5660	26.6772	254.2652	77.2862
17383	96.3843	88.0838	27.3070	10.2342	30.9053
9124	96.3326	336.2755	42.6549	213.0618	41.8746
4222	96.1777	1250.4435	53.0154	980.8498	131.6958
24886	96.1260	2331.6990	152.3483	1651.3200	275.6352
14360	96.0744	36.1613	0.5510	44.3514	21.3431
18798	96.0744	95.4560	5.1882	138.5010	28.2251
8212	95.9194	614.5205	13.5571	494.4720	131.8211
762	95.7645	152.8628	1.6805	139.5041	37.1730
21950	95.7645	561.8000	19.6699	768.0125	138.7978
22739	95.6612	268.0643	10.2046	360.3747	61.7718
3465	95.5579	58.9048	9.0152	111.0300	28.1320
1991	95.5062	224.6573	17.4598	136.2908	59.3718
90	95.4029	107.5228	3.0356	86.4029	43.9802
4544	95.3512	107.7215	6.2954	178.6031	50.1877
17448	95.3512	-9.6045	2.7934	21.3649	22.5631
18881	95.3512	31.2700	2.8162	18.6383	8.1524
25458	95.2996	110.9095	33.1610	41.1543	67.0274
19341	95.2479	43.4835	1.7363	66.3774	21.9607
24885	95.1963	1835.8660	223.0581	1171.0566	257.6347
15201	95.1963	3447.9930	458.2868	2274.6547	448.0018
16847	95.1446	1621.7053	248.3307	1115.3956	189.9822
20462	95.1446	1536.0618	362.5987	1030.1922	185.5571
20933	95.0930	140.2160	5.3279	183.7717	499.2990
11849	95.0930	1348.1815	101.5179	940.8007	195.9938
7854	95.0413	34.1235	1.8506	26.2060	24.5871
243	94.9897	913.7335	133.1663	620.8041	113.0845
16330	94.9897	208.1708	4.2219	172.8530	33.5156
19190	94.9380	801.4863	75.5527	497.5050	140.9583
17105	94.9380	2202.6573	193.9224	1532.7357	345.1211
14247	94.9380	28.7498	0.7245	25.4779	13.2337

TABLE 5H: CLENBUTEROL
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
16434	94.8864	379.5328	21.2458	567.2230	119.8399
20896	94.8864	72.1373	6.2647	118.7357	34.0297
17214	94.8864	63.4888	7.5354	106.4495	25.1572
16215	94.8347	316.8333	41.2945	212.9282	44.6649
15440	94.8347	24.4390	0.5360	30.9137	9.3853
23340	94.8347	317.6923	10.8281	245.6657	47.6778
202	94.7831	28.1825	1.2809	42.2180	14.8548
815	94.7314	2351.3360	351.2531	1485.8238	349.8904
16852	94.7314	202.9568	4.4363	255.8691	49.6336
15135	94.6798	1485.1895	200.7632	995.1288	219.0055
23869	94.6798	6.7505	3.2502	42.9405	61.7863
15840	94.6798	15.1773	4.6253	37.7956	12.3562
17807	94.6798	3050.4535	95.1550	2477.4667	409.9463
21917	94.6281	86.9305	4.6467	137.4482	40.1744
20417	94.6281	171.0010	5.7342	236.4262	62.6471
15106	94.5764	3986.4233	554.1719	2605.0488	527.2574
19393	94.5248	392.8538	28.4966	276.7454	55.0084
18305	94.5248	3108.5365	254.2765	2115.2642	466.0092
20614	94.4731	33.2960	0.8997	17.2533	215.0029
19148	94.4731	162.5390	12.0865	241.5954	48.0514
20812	94.4215	2524.2418	310.7088	1742.5280	321.4198
11387	94.4215	24.3165	8.4346	60.1168	18.5151
21663	94.3698	535.2730	120.9507	381.9249	189.0689
4407	94.3182	44.3680	4.4238	77.2069	21.9306
16553	94.2149	138.8333	7.2284	89.3026	43.4774
17563	94.1632	2528.9760	243.6174	1831.8476	310.8510
17104	94.1116	888.3135	96.7579	619.6440	131.6469
15136	94.1116	1550.7555	126.5704	1071.5638	272.9769
5667	94.0599	1565.0848	155.3555	1149.7767	190.5336
12700	94.0599	15.2875	1.2689	26.5546	20.7245
7163	94.0083	308.1465	6.2251	370.5876	101.8306
24536	94.0083	1336.5868	76.3393	998.3660	188.7130
8097	94.0083	725.6370	40.6999	490.8906	133.8125
16552	93.9566	71.9468	10.6071	39.0058	18.9272
16220	93.8533	3225.4738	485.8578	1864.4315	643.9048
23781	93.8533	63.4873	5.8225	39.6359	17.0077
17100	93.8533	1816.9928	108.1590	1309.9654	296.8518
13568	93.8533	75.5443	6.1284	113.8145	27.0108
14970	93.8017	41.7940	4.8105	80.6715	20.5675
583	93.8017	87.3378	18.3387	171.2200	61.4637
19372	93.7500	182.6410	60.6879	72.6182	72.3788
546	93.7500	137.4413	19.6260	230.4553	50.8993
21027	93.7500	97.0588	7.6188	154.9087	44.8005
20427	93.6983	1679.2218	278.6166	1200.9108	217.2295
1488	93.5950	102.2283	1.1813	98.9079	21.2632
3446	93.5950	19.6823	2.4857	35.2313	11.3942
15875	93.5434	2132.7075	125.5746	1566.0871	298.0037
10185	93.5434	10.2845	14.2827	31.2524	10.4128
22744	99.2252	26.3855	0.9038	56.3983	16.8105
23173	98.9669	3285.0910	237.6414	1561.3912	460.0075
18909	98.7603	937.3875	51.1807	1658.6110	377.4156
3250	98.7603	932.5275	75.0879	436.9967	155.0918

TABLE 5H: CLENBUTEROL		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24 hrs		Mean Tox	SD Tox	Mean Nontox	SD Nontox
GLGC ID	LDA Score				
10269	98.6054	2964.3253	73.6783	1983.5484	405.8705
16917	98.6054	796.6000	92.3903	1493.2819	318.9380
16394	98.4504	1993.7018	204.4622	777.8052	287.2109
5228	98.3988	264.5018	87.2998	16.9613	42.9061
9150	98.3988	425.9990	11.6271	625.5024	106.3371
13826	98.3471	959.6915	29.5016	1391.9748	237.8672
4049	98.3471	232.0925	71.2955	43.4387	130.5291
19195	98.2955	2867.3528	237.4438	1646.6852	385.3403
23521	98.2438	15.8948	10.1974	85.5762	34.5074
4048	98.2438	112.3103	34.8237	18.8858	77.2543
14342	98.1921	169.8480	19.1182	82.8344	27.6432
19191	98.1921	1912.4983	226.5763	912.4426	269.2696
21465	98.1405	398.0138	5.2214	282.1062	96.4138
19424	98.0888	22852.8073	1223.8235	10347.0804	4848.3980
21195	97.9855	85.3645	2.0547	136.0304	39.9561
21509	97.9855	851.4765	90.0193	444.9262	134.9011
13070	97.8822	20.3425	6.5792	92.7588	36.1270
19456	97.7789	53.7898	13.3891	3.0805	36.1093
14431	97.6240	-11.4243	13.8465	45.8984	18.3298
18507	97.5723	890.7598	54.0094	510.0488	133.8710
894	97.5723	488.7110	71.4370	212.9295	78.5750
5132	97.5723	753.3963	27.3536	1123.9945	230.3786
15476	97.5723	534.1638	108.0037	302.1699	75.7980
6766	97.5207	442.2773	30.2284	190.8744	119.2936
14327	97.5207	92.8413	18.2257	-22.9178	40.5514
13267	97.3140	33.1610	4.2081	90.1076	35.5488
3132	97.3140	423.2630	66.3606	207.8763	67.9326
895	97.2107	190.0450	68.7690	60.1332	32.1107
15615	97.1591	3745.5935	141.6091	2517.3568	580.3879
13831	97.1074	66.2998	1.5392	65.2944	48.3849
3982	97.0558	99.4585	33.3773	267.5928	71.6883
20953	97.0558	541.4905	37.0747	839.0732	146.8665
16916	97.0041	436.7440	92.2636	892.1272	212.8023
19162	97.0041	4861.1903	641.2854	2851.0457	564.9066
13093	97.0041	753.5148	47.9504	1161.0444	236.7827
14642	96.9525	488.6555	82.0127	189.7023	97.4228
24209	96.9008	100.0273	24.0329	3.0026	41.9427
20042	96.9008	983.4830	271.6577	438.3391	252.0171
7844	96.9008	50.6993	11.6162	147.1081	55.0968
15315	96.7459	4371.5658	256.4395	2784.8724	703.2430
10919	96.7459	2680.9605	730.9256	842.5857	660.8402
22183	96.7459	3676.6128	291.7861	2288.9363	582.5234
4834	96.7459	96.4443	2.4637	49.5111	45.2846
17529	96.6942	47.9468	3.0703	91.7341	28.0182
19359	96.6942	3751.8920	348.1457	1991.9891	550.4905
21761	96.6942	239.5320	14.7073	398.1517	99.5533
15942	96.6426	187.9785	17.0105	335.3510	75.9353
15107	96.5909	13902.3560	4964.6238	5563.0289	2417.1411
11598	96.5393	32.8070	32.3996	191.2678	68.0074
22318	96.4876	81.2843	29.3126	222.9738	79.4138
12999	96.4360	438.6615	39.1895	337.9044	309.5522
10820	96.4360	3053.7868	269.0123	1868.3510	470.1964

TABLE 5H: CLENBUTEROL			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
24521	96.4360	9943.4675	1630.5121	5462.1901	1452.6442
22030	96.3326	22085.9835	2981.2204	11062.6238	4208.6729
3755	96.3326	46.9560	17.4174	122.4291	39.8654
21189	96.2810	1111.8165	148.7927	734.5168	132.8529
8728	96.2810	77.5193	13.7142	132.7466	23.6850
4893	96.2810	25.3940	44.0374	18.0604	11.8525
893	96.2810	378.1673	73.8535	182.9926	66.3423
14929	96.2293	944.6818	123.9670	573.7854	134.7102
22914	96.2293	1737.1080	63.7535	2437.6827	483.1667
896	96.1777	49.6703	13.3825	7.9432	16.0018

TABLE 5I: Clenbuterol--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2015485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1809	99.5868	378.3500	90.6707	25.8207	73.5816
15867	99.1736	401.2945	167.6115	38.0902	47.6847
11113	99.1219	87.7850	7.5655	36.0548	19.4047
23651	98.8120	194.9143	58.0033	43.9816	160.6078
21000	98.3988	10.9638	0.2819	22.8672	19.9926
24859	97.9855	102.9063	22.0298	22.8379	19.8724
15003	97.7273	833.1818	204.8023	93.6247	186.9025
16696	97.7273	197.2963	8.1224	302.8795	59.3996
17215	97.6756	86.5150	6.6657	168.1356	43.5737
23868	97.6756	67.3360	8.0151	218.8534	231.6084
15191	97.5723	517.4620	128.7504	183.9005	563.8396
12580	97.5207	33.8560	1.6003	19.5502	9.4737
20589	97.4690	490.8580	164.2942	148.3860	88.2875
15002	97.4174	846.2003	185.8784	207.2146	184.9231
1523	97.2624	149.7348	3.2732	212.0033	52.0601
19549	97.2107	5.7080	2.5474	42.7500	22.3031
16918	97.1591	2852.3920	322.0410	1657.2857	390.3238
22321	97.1074	391.6135	39.1905	173.4379	96.5339
11997	97.1074	460.1595	17.7043	677.7722	123.6360
574	96.8492	972.5473	57.9899	604.4586	158.0302
25802	96.7975	954.9178	117.8821	599.8418	153.6054
15640	96.7459	287.6770	20.3299	141.2940	60.3599
15641	96.6426	379.4980	27.4243	173.5264	86.4782
17736	96.6426	1148.7220	124.6063	622.3568	364.0063
18122	96.4876	81.8923	21.0338	18.9802	40.6070
20983	96.4360	332.2185	11.0218	478.6360	109.8306
19040	96.3843	413.5660	26.6772	254.2652	77.2862
17383	96.3843	88.0838	27.3070	10.2342	30.9053
9124	96.3326	336.2755	42.6549	213.0618	41.8746
4222	96.1777	1250.4435	53.0154	980.8498	131.6958
24886	96.1260	2331.6990	152.3483	1651.3200	275.6352
14360	96.0744	36.1613	0.5510	44.3514	21.3431
18798	96.0744	95.4560	5.1882	138.5010	28.2251
8212	95.9194	614.5205	13.5571	494.4720	131.8211
762	95.7645	152.8628	1.6805	139.5041	37.1730
21950	95.7645	561.8000	19.6699	768.0125	138.7978
22739	95.6612	268.0643	10.2046	360.3747	61.7718
3465	95.5579	58.9048	9.0152	111.0300	28.1320
1991	95.5062	224.6573	17.4598	136.2908	59.3718
23731	95.4545	257.6383	25.4512	159.8238	45.0087
90	95.4029	107.5228	3.0356	86.4029	43.9802
4544	95.3512	107.7215	6.2954	178.6031	50.1877
17448	95.3512	-9.6045	2.7934	21.3649	22.5631
18881	95.3512	31.2700	2.8162	18.6383	8.1524
25458	95.2996	110.9095	33.1610	41.1543	67.0274
19341	95.2479	43.4835	1.7363	66.3774	21.9607
24885	95.1963	1835.8660	223.0581	1171.0566	257.6347
15201	95.1963	3447.9930	458.2868	2274.6547	448.0018
16847	95.1446	1621.7053	248.3307	1115.3956	189.9822
20462	95.1446	1536.0618	362.5987	1030.1922	185.5571
20933	95.0930	140.2160	5.3279	183.7717	499.2990
11849	95.0930	1348.1815	101.5179	940.8007	195.9938

TABLE 5I: Clenbuterol--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2015485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
13480	95.0413	108.5698	6.5557	161.7956	39.9240
7854	95.0413	34.1235	1.8506	26.2060	24.5871
243	94.9897	913.7335	133.1663	620.8041	113.0845
16330	94.9897	208.1708	4.2219	172.8530	33.5156
19190	94.9380	801.4863	75.5527	497.5050	140.9583
17105	94.9380	2202.6573	193.9224	1532.7357	345.1211
14247	94.9380	28.7498	0.7245	25.4779	13.2337
16434	94.8864	379.5328	21.2458	567.2230	119.8399
20896	94.8864	72.1373	6.2647	118.7357	34.0297
17214	94.8864	63.4888	7.5354	106.4495	25.1572
16215	94.8347	316.8333	41.2945	212.9282	44.6649
15440	94.8347	24.4390	0.5360	30.9137	9.3853
23340	94.8347	317.6923	10.8281	245.6657	47.6778
202	94.7831	28.1825	1.2809	42.2180	14.8548
815	94.7314	2351.3360	351.2531	1485.8238	349.8904
16852	94.7314	202.9568	4.4363	255.8691	49.6336
15135	94.6798	1485.1895	200.7632	995.1288	219.0055
23869	94.6798	6.7505	3.2502	42.9405	61.7863
15840	94.6798	15.1773	4.6253	37.7956	12.3562
17807	94.6798	3050.4535	95.1550	2477.4667	409.9463
21917	94.6281	86.9305	4.6467	137.4482	40.1744
20417	94.6281	171.0010	5.7342	236.4262	62.6471
15106	94.5764	3986.4233	554.1719	2605.0488	527.2574
19393	94.5248	392.8538	28.4966	276.7454	55.0084
18305	94.5248	3108.5365	254.2765	2115.2642	466.0092
20614	94.4731	33.2960	0.8997	17.2533	215.0029
19148	94.4731	162.5390	12.0865	241.5954	48.0514
20812	94.4215	2524.2418	310.7088	1742.5280	321.4198
11387	94.4215	24.3165	8.4346	60.1168	18.5151
21663	94.3698	535.2730	120.9507	381.9249	189.0689
4407	94.3182	44.3680	4.4238	77.2069	21.9306
16553	94.2149	138.8333	7.2284	89.3026	43.4774
17563	94.1632	2528.9760	243.6174	1831.8476	310.8510
17104	94.1116	888.3135	96.7579	619.6440	131.6469
20872	94.1116	1900.1203	134.8184	1375.7230	300.8359
15136	94.1116	1550.7555	126.5704	1071.5638	272.9769
5667	94.0599	1565.0848	155.3555	1149.7767	190.5336
12700	94.0599	15.2875	1.2689	26.5546	20.7245
7163	94.0083	308.1465	6.2251	370.5876	101.8306
24536	94.0083	1336.5868	76.3393	998.3660	188.7130
8097	94.0083	725.6370	40.6999	490.8906	133.8125
16552	93.9566	71.9468	10.6071	39.0058	18.9272
16220	93.8533	3225.4738	485.8578	1864.4315	643.9048
23781	93.8533	63.4873	5.8225	39.6359	17.0077
17100	93.8533	1816.9928	108.1590	1309.9654	296.8518
13568	93.8533	75.5443	6.1284	113.8145	27.0108
14970	93.8017	41.7940	4.8105	80.6715	20.5675
583	93.8017	87.3378	18.3387	171.2200	61.4637
22744	99.2252	26.3855	0.9038	56.3983	16.8105
23173	98.9669	3285.0910	237.6414	1561.3912	460.0075
23015	98.7603	133.8138	5.4560	77.9200	22.1910
18909	98.7603	937.3875	51.1807	1658.6110	377.4156

TABLE 5I: Clenbuterol--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2015485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
3250	98.7603	932.5275	75.0879	436.9967	155.0918
10269	98.6054	2964.3253	73.6783	1983.5484	405.8705
16917	98.6054	796.6000	92.3903	1493.2819	318.9380
15004	98.4504	1686.5413	198.8730	331.7738	260.3911
16394	98.4504	1993.7018	204.4622	777.8052	287.2109
5228	98.3988	264.5018	87.2998	16.9613	42.9061
9150	98.3988	425.9990	11.6271	625.5024	106.3371
13826	98.3471	959.6915	29.5016	1391.9748	237.8672
4049	98.3471	232.0925	71.2955	43.4387	130.5291
19195	98.2955	2867.3528	237.4438	1646.6852	385.3403
23521	98.2438	15.8948	10.1974	85.5762	34.5074
4048	98.2438	112.3103	34.8237	18.8858	77.2543
14342	98.1921	169.8480	19.1182	82.8344	27.6432
19191	98.1921	1912.4983	226.5763	912.4426	269.2696
21465	98.1405	398.0138	5.2214	282.1062	96.4138
19424	98.0888	22852.8073	1223.8235	10347.0804	4848.3980
5227	98.0888	386.4903	69.7187	152.5409	48.8669
4969	98.0372	178.1593	143.2056	-19.0442	46.4550
21195	97.9855	85.3645	2.0547	136.0304	39.9561
21509	97.9855	851.4765	90.0193	444.9262	134.9011
13070	97.8822	20.3425	6.5792	92.7588	36.1270
19456	97.7789	53.7898	13.3891	3.0805	36.1093
14431	97.6240	-11.4243	13.8465	45.8984	18.3298
18507	97.5723	890.7598	54.0094	510.0488	133.8710
894	97.5723	488.7110	71.4370	212.9295	78.5750
5132	97.5723	753.3963	27.3536	1123.9945	230.3786
15476	97.5723	534.1638	108.0037	302.1699	75.7980
6766	97.5207	442.2773	30.2284	190.8744	119.2936
14327	97.5207	92.8413	18.2257	-22.9178	40.5514
13267	97.3140	33.1610	4.2081	90.1076	35.5488
3132	97.3140	423.2630	66.3606	207.8763	67.9326
895	97.2107	190.0450	68.7690	60.1332	32.1107
15615	97.1591	3745.5935	141.6091	2517.3568	580.3879
13831	97.1074	66.2998	1.5392	65.2944	48.3849
3982	97.0558	99.4585	33.3773	267.5928	71.6883
20953	97.0558	541.4905	37.0747	839.0732	146.8665
16916	97.0041	436.7440	92.2636	892.1272	212.8023
19162	97.0041	4861.1903	641.2854	2851.0457	564.9066
13093	97.0041	753.5148	47.9504	1161.0444	236.7827
14642	96.9525	488.6555	82.0127	189.7023	97.4228
24209	96.9008	100.0273	24.0329	3.0026	41.9427
20042	96.9008	983.4830	271.6577	438.3391	252.0171
7844	96.9008	50.6993	11.6162	147.1081	55.0968
15315	96.7459	4371.5658	256.4395	2784.8724	703.2430
10919	96.7459	2680.9605	730.9256	842.5857	660.8402
22183	96.7459	3676.6128	291.7861	2288.9363	582.5234
4834	96.7459	96.4443	2.4637	49.5111	45.2846
17529	96.6942	47.9468	3.0703	91.7341	28.0182
19359	96.6942	3751.8920	348.1457	1991.9891	550.4905
21761	96.6942	239.5320	14.7073	398.1517	99.5533
15942	96.6426	187.9785	17.0105	335.3510	75.9353
15107	96.5909	13902.3560	4964.6238	5563.0289	2417.1411

TABLE 5I: Clenbuterol--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2015485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
11598	96.5393	32.8070	32.3996	191.2678	68.0074
6015	96.4876	56.6675	17.6759	123.6439	33.7718
22318	96.4876	81.2843	29.3126	222.9738	79.4138
12999	96.4360	438.6615	39.1895	337.9044	309.5522
10820	96.4360	3053.7868	269.0123	1868.3510	470.1964
24521	96.4360	9943.4675	1630.5121	5462.1901	1452.6442
22030	96.3326	22085.9835	2981.2204	11062.6238	4208.6729
3755	96.3326	46.9560	17.4174	122.4291	39.8654
21189	96.2810	1111.8165	148.7927	734.5168	132.8529
8728	96.2810	77.5193	13.7142	132.7466	23.6850
4893	96.2810	25.3940	44.0374	18.0604	11.8525
893	96.2810	378.1673	73.8535	182.9926	66.3423
14929	96.2293	944.6818	123.9670	573.7854	134.7102
22914	96.2293	1737.1080	63.7535	2437.6827	483.1667
896	96.1777	49.6703	13.3825	7.9432	16.0018

TABLE 5J: CLENBUTEROL Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15191	100.0000	4848.8693	52.4545	170.8348	500.4770
945	99.9484	134.3437	6.0542	-12.6304	30.0697
20740	99.8452	1340.9600	37.6412	448.7949	136.3810
21147	99.6388	41.2293	0.3146	18.0479	11.2102
23806	99.5356	13.5270	2.1598	60.1184	25.4038
10878	99.4840	1562.5993	0.6741	1634.2253	283.9885
15190	99.3808	3461.6643	487.6477	233.6376	289.1438
15189	99.3808	3694.3787	503.1788	329.6283	310.6204
24716	99.3808	72.2240	15.4827	-7.4551	11.1158
13930	99.3292	413.1923	21.7059	110.7163	65.7014
23368	99.3292	218.4663	5.4029	406.7741	91.9227
2629	99.2776	55.7473	2.8928	21.3916	17.0047
20555	99.2776	11.0847	0.4816	27.9069	10.1556
23705	99.1744	97.8843	16.9478	265.3709	68.2915
25730	99.1228	399.7273	10.3185	224.2822	72.9452
15032	99.1228	31.6433	0.0984	38.3319	10.0770
21709	99.0712	543.6700	42.4038	253.3641	57.3564
23715	99.0712	94.8683	16.8393	9.9387	25.1145
20734	99.0196	339.2357	52.4888	94.2550	46.1601
20735	98.9680	365.3143	51.6737	101.7314	46.4986
2453	98.9164	30.1920	0.5191	53.0373	29.6950
21654	98.8648	572.4030	49.6785	203.9429	73.2109
8829	98.8648	505.2817	40.4494	267.9187	70.0353
20456	98.8132	3.9490	0.1578	22.3578	32.7458
3292	98.8132	223.3543	132.5781	-1.3809	27.7261
20702	98.8132	48.1140	6.8500	149.9956	64.9653
1228	98.7616	134.1093	1.0635	192.5306	40.0635
190	98.7616	64.3393	8.8634	-4.6305	25.2465
1824	98.7100	54.2170	5.5644	112.5691	25.7844
622	98.6584	17.4750	0.5633	45.3087	19.1055
11635	98.6584	69.4783	5.2594	135.5475	28.8584
10248	98.6584	421.4460	3.2657	307.6573	85.3529
6598	98.6584	65.9897	8.8529	23.0423	10.4630
19710	98.6584	89.4057	2.6970	48.5489	23.0344
3910	98.6068	118.1183	0.3407	145.4331	35.4410
17217	98.6068	257.0393	5.0020	405.4736	80.5839
21682	98.5552	184.9510	96.4663	-9.7676	54.3813
355	98.5036	94.2290	12.0303	9.8934	28.6974
16312	98.4520	285.0370	77.1088	67.3643	35.2005
17590	98.4520	90.5147	4.1203	48.3731	16.1590
18695	98.4520	217.4283	76.3852	35.0061	39.0491
733	98.4004	61.5817	0.4070	84.3478	27.7086
12580	98.4004	62.9820	11.9219	19.4747	9.1851
20127	98.2972	93.0660	7.5880	30.6760	20.9299
21115	98.2972	231.9090	10.3353	102.9476	53.5277
13005	98.2972	39.8907	4.6011	18.4472	7.3766
16029	98.2972	81.3597	27.8106	13.8859	19.1912
12978	98.2972	174.3473	30.0006	78.0023	51.9326
356	98.2456	165.1347	24.9797	41.3534	45.3902
25761	98.2456	27.2957	0.9103	10.3706	13.3401
18597	98.1940	278.9343	56.3348	94.5047	63.0400
14250	98.1940	352.4563	54.8318	145.1721	51.5631

TABLE 5J: CLENBUTEROL Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23044	98.1940	475.3620	72.5360	227.0935	51.1801
17556	98.1424	447.2547	4.5099	418.5919	269.8707
21653	98.0908	271.2960	36.0854	116.2228	40.6966
4512	98.0908	136.4383	56.5763	23.1132	27.3790
16030	98.0908	46.1457	31.5041	-6.3851	16.6583
17532	97.9876	166.7917	5.1276	264.8779	55.6876
20161	97.9360	231.1267	105.1007	36.2762	39.2601
357	97.9360	85.4477	19.1172	25.4313	18.0127
11203	97.9360	94.6200	7.3173	50.3291	16.1130
24019	97.9360	104.0047	17.2367	27.0516	25.4071
20614	97.8844	42.7467	1.2769	17.2406	214.8896
244	97.8844	196.2470	29.2619	63.1635	44.1915
16249	97.8844	42.3113	4.1646	-4.0842	48.6353
21683	97.8328	271.7527	92.8744	48.5984	33.9935
21657	97.7812	1448.9427	42.7862	954.6483	229.3213
9423	97.7812	477.6037	161.5233	167.2220	78.0601
25567	97.7812	138.8263	11.4355	67.6319	35.7175
1921	97.7812	181.9453	43.7093	81.4987	23.2311
19085	97.7296	103.0713	12.4950	52.2006	14.0771
5384	97.7296	329.6763	123.8702	42.1950	55.7465
16197	97.7296	160.0660	0.8063	161.5913	52.3362
18694	97.7296	85.3757	71.6381	-7.2428	25.7180
6153	97.6780	184.3700	32.7761	622.7538	222.1150
25072	97.6780	25.2017	6.0933	-6.1292	14.8911
17336	97.6780	38.8513	6.0298	15.6028	7.6997
21975	97.6264	509.6623	141.1960	180.4975	77.5763
24674	97.6264	39.2367	0.4022	33.2995	26.8241
1097	97.6264	113.2633	13.0527	303.5668	99.7399
17337	97.6264	274.9593	43.2507	141.9581	42.9696
11483	97.5748	255.8617	50.3113	99.1670	43.7596
15353	97.5748	54.9167	15.7750	19.2374	16.8658
2736	97.5748	211.0247	16.5303	358.5069	62.9998
15640	97.5232	143.6827	1.3775	141.8909	61.0655
804	97.5232	135.3840	26.7548	52.3425	29.2084
17301	97.5232	148.7857	39.6259	502.6110	155.5782
15570	97.5232	193.2387	49.8258	622.6698	207.2827
1295	97.5232	27.4813	7.8249	75.2102	19.2171
19086	97.4716	157.9933	20.0631	75.1020	28.1408
17658	97.4716	4.3310	3.7428	41.4360	20.5048
15301	97.4200	275.7437	37.4354	100.2767	84.4844
25090	97.3684	441.3950	92.2155	140.5463	81.4944
9240	97.3684	933.6183	14.9587	1170.9649	183.3070
1804	97.3684	8526.9873	141.8813	6460.4813	2181.5948
15468	97.3168	1408.7463	8.4715	1311.6313	222.0564
18349	97.2652	386.7867	121.1182	174.8812	62.5378
25883	97.2136	4776.3063	68.5880	3422.5719	915.0306
1609	97.2136	1613.7737	301.0304	872.2018	288.7875
20746	97.2136	272.4527	22.3631	492.5344	121.2973
15192	99.9484	245.0187	6.7325	70.9741	40.1911
18472	99.8968	261.0007	4.7005	67.1399	41.9499
3049	99.8968	1215.6133	12.3725	248.1956	126.6890
15984	99.8452	492.0337	8.2519	247.8687	57.6010

TABLE 5J: CLENBUTEROL
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15078	99.8452	83.0913	1.8675	206.5969	127.3381
6988	99.7420	148.1523	21.8467	12.9282	79.2454
24200	99.7420	1831.3610	51.0588	650.5468	193.2024
6844	99.7420	-15.2123	3.7916	158.4966	89.8726
23424	99.6388	495.8370	8.8821	309.6446	63.2709
13619	99.6388	260.5140	8.2960	135.0774	46.7347
13240	99.5872	384.1850	26.2196	46.0984	41.1069
5943	99.5872	2.5757	7.2305	117.6422	43.8729
14209	99.5872	95.2830	0.6904	186.1088	61.0930
2348	99.5872	235.1720	0.4753	280.7291	97.6111
22765	99.5356	111.5053	3.6676	22.9075	22.6912
11467	99.5356	216.0630	2.1991	139.6584	38.0034
23025	99.4840	-14.1163	0.4311	27.1357	41.4489
23471	99.4840	283.3903	14.5924	77.3412	35.0796
22381	99.4840	175.8840	6.3195	103.3030	23.7487
22081	99.4840	94.4403	6.8233	229.1844	47.7646
4626	99.4324	91.5253	4.1731	27.8457	26.4231
15157	99.4324	39.1553	0.2282	65.6418	20.2172
13353	99.3808	116.6127	5.6815	200.6327	32.2702
9059	99.3808	636.5220	39.1324	271.8312	79.8237
4018	99.3808	27.1503	4.5802	-11.2888	10.8308
22152	99.3292	57.3433	2.7280	-0.2891	20.2076
7315	99.3292	214.7143	34.5163	10.0917	25.3182
15051	99.2776	615.7103	141.6182	119.3141	105.8113
5675	99.2776	1314.5897	174.2619	156.0669	123.3530
2331	99.2260	1230.4933	59.9098	389.0874	358.2674
11873	99.2260	964.7597	160.1007	147.0140	109.6199
13266	99.2260	349.0043	67.6682	94.0862	43.1564
11871	99.2260	3316.3687	720.1954	43.1452	326.8880
3050	99.1744	615.6347	84.2415	87.5598	59.6096
2605	99.1744	36.3433	10.6257	302.2771	139.0916
21740	99.1228	697.6160	38.4674	276.3875	85.5203
6532	99.1228	933.6980	54.8957	449.2898	126.9559
12435	99.1228	116.6823	3.7442	229.7496	48.2511
3619	99.1228	46.3957	0.1635	57.9467	16.1863
23038	99.1228	155.3643	13.0636	20.6635	122.9799
2729	99.0712	193.8313	10.9173	480.0400	152.5689
9796	99.0712	48.0417	4.7084	6.8524	13.4118
5210	99.0712	52.3533	1.8222	96.2220	21.6672
15892	99.0196	334.6830	40.5811	58.3685	50.3007
6715	99.0196	96.9987	8.6659	42.9113	17.2734
15042	99.0196	147.0083	7.5527	44.1413	36.5945
9083	99.0196	118.1750	6.7094	251.4949	62.4067
16631	99.0196	599.9867	112.2449	64.6549	72.3076
16976	99.0196	630.3390	110.0159	244.6155	67.7554
4797	98.9680	239.9153	2.9022	150.0514	44.9756
8477	98.9164	1373.4903	73.9002	595.5884	183.3453
18473	98.9164	502.5353	39.9997	204.2286	69.6891
24375	98.9164	168.6763	3.3642	109.8936	32.6563
3207	98.9164	-77.1093	28.2336	241.8528	97.3643
13634	98.8648	1647.6060	76.4982	822.0337	216.6497
15374	98.8648	179.9300	10.9265	101.8803	26.4536

TABLE 5J: CLENBUTEROL Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
22697	98.8648	76.7463	14.9592	408.5599	156.2251
21596	98.8648	886.3967	192.5967	312.3243	85.2827
23631	98.8132	475.8523	20.6543	247.4404	91.2200
657	98.8132	630.2727	103.1035	224.5298	57.1698
10659	98.7616	384.3923	15.9078	156.3555	73.8458
10971	98.7100	110.4397	11.4396	42.1501	15.6427
4479	98.7100	495.3427	80.8484	160.3289	83.4252
2372	98.7100	18.7610	0.4810	43.1912	19.0817
8820	98.7100	139.3167	15.6944	399.3163	123.0551
22317	98.7100	75.9110	17.8196	190.4315	45.8238

TABLE 5K: Clenbuterol--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15191	100.0000	4848.8693	52.4545	170.8348	500.4770
945	99.9484	134.3437	6.0542	-12.6304	30.0697
20740	99.8452	1340.9600	37.6412	448.7949	136.3810
21147	99.6388	41.2293	0.3146	18.0479	11.2102
23806	99.5356	13.5270	2.1598	60.1184	25.4038
10878	99.4840	1562.5993	0.6741	1634.2253	283.9885
15190	99.3808	3461.6643	487.6477	233.6376	289.1438
15189	99.3808	3694.3787	503.1788	329.6283	310.6204
24716	99.3808	72.2240	15.4827	-7.4551	11.1158
13930	99.3292	413.1923	21.7059	110.7163	65.7014
23368	99.3292	218.4663	5.4029	406.7741	91.9227
2629	99.2776	55.7473	2.8928	21.3916	17.0047
20555	99.2776	11.0847	0.4816	27.9069	10.1556
11113	99.1744	174.2973	52.1552	35.8404	17.9581
23705	99.1744	97.8843	16.9478	265.3709	68.2915
25730	99.1228	399.7273	10.3185	224.2822	72.9452
15032	99.1228	31.6433	0.0984	38.3319	10.0770
1809	99.1228	180.1930	66.3027	26.7980	76.5754
21709	99.0712	543.6700	42.4038	253.3641	57.3564
23715	99.0712	94.8683	16.8393	9.9387	25.1145
20734	99.0196	339.2357	52.4888	94.2550	46.1601
11114	98.9680	362.1807	141.4201	30.5894	32.3749
20735	98.9680	365.3143	51.6737	101.7314	46.4986
2453	98.9164	30.1920	0.5191	53.0373	29.6950
21654	98.8648	572.4030	49.6785	203.9429	73.2109
8829	98.8648	505.2817	40.4494	267.9187	70.0353
20456	98.8132	3.9490	0.1578	22.3578	32.7458
3292	98.8132	223.3543	132.5781	-1.3809	27.7261
20702	98.8132	48.1140	6.8500	149.9956	64.9653
1228	98.7616	134.1093	1.0635	192.5306	40.0635
190	98.7616	64.3393	8.8634	-4.6305	25.2465
1824	98.7100	54.2170	5.5644	112.5691	25.7844
622	98.6584	17.4750	0.5633	45.3087	19.1055
11635	98.6584	69.4783	5.2594	135.5475	28.8584
10248	98.6584	421.4460	3.2657	307.6573	85.3529
6598	98.6584	65.9897	8.8529	23.0423	10.4630
19710	98.6584	89.4057	2.6970	48.5489	23.0344
3910	98.6068	118.1183	0.3407	145.4331	35.4410
17217	98.6068	257.0393	5.0020	405.4736	80.5839
21682	98.5552	184.9510	96.4663	-9.7676	54.3813
355	98.5036	94.2290	12.0303	9.8934	28.6974
16312	98.4520	285.0370	77.1088	67.3643	35.2005
17590	98.4520	90.5147	4.1203	48.3731	16.1590
18695	98.4520	217.4283	76.3852	35.0061	39.0491
733	98.4004	61.5817	0.4070	84.3478	27.7086
12580	98.4004	62.9820	11.9219	19.4747	9.1851
20127	98.2972	93.0660	7.5880	30.6760	20.9299
21115	98.2972	231.9090	10.3353	102.9476	53.5277
13005	98.2972	39.8907	4.6011	18.4472	7.3766
16029	98.2972	81.3597	27.8106	13.8859	19.1912
12978	98.2972	174.3473	30.0006	78.0023	51.9326
356	98.2456	165.1347	24.9797	41.3534	45.3902

TABLE 5K: Clenbuterol--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
25761	98.2456	27.2957	0.9103	10.3706	13.3401
18597	98.1940	278.9343	56.3348	94.5047	63.0400
14250	98.1940	352.4563	54.8318	145.1721	51.5631
23044	98.1940	475.3620	72.5360	227.0935	51.1801
17556	98.1424	447.2547	4.5099	418.5919	269.8707
21653	98.0908	271.2960	36.0854	116.2228	40.6966
4512	98.0908	136.4383	56.5763	23.1132	27.3790
16030	98.0908	46.1457	31.5041	-6.3851	16.6583
17532	97.9876	166.7917	5.1276	264.8779	55.6876
20161	97.9360	231.1267	105.1007	36.2762	39.2601
357	97.9360	85.4477	19.1172	25.4313	18.0127
11203	97.9360	94.6200	7.3173	50.3291	16.1130
24019	97.9360	104.0047	17.2367	27.0516	25.4071
20614	97.8844	42.7467	1.2769	17.2406	214.8896
244	97.8844	196.2470	29.2619	63.1635	44.1915
10097	97.8844	71.4007	3.2167	118.9075	22.9977
16249	97.8844	42.3113	4.1646	-4.0842	48.6353
21683	97.8328	271.7527	92.8744	48.5984	33.9935
21657	97.7812	1448.9427	42.7862	954.6483	229.3213
9423	97.7812	477.6037	161.5233	167.2220	78.0601
25567	97.7812	138.8263	11.4355	67.6319	35.7175
1921	97.7812	181.9453	43.7093	81.4987	23.2311
19085	97.7296	103.0713	12.4950	52.2006	14.0771
5384	97.7296	329.6763	123.8702	42.1950	55.7465
16197	97.7296	160.0660	0.8063	161.5913	52.3362
18694	97.7296	85.3757	71.6381	-7.2428	25.7180
6153	97.6780	184.3700	32.7761	622.7538	222.1150
25072	97.6780	25.2017	6.0933	-6.1292	14.8911
17336	97.6780	38.8513	6.0298	15.6028	7.6997
21975	97.6264	509.6623	141.1960	180.4975	77.5763
24674	97.6264	39.2367	0.4022	33.2995	26.8241
1097	97.6264	113.2633	13.0527	303.5668	99.7399
17337	97.6264	274.9593	43.2507	141.9581	42.9696
11483	97.5748	255.8617	50.3113	99.1670	43.7596
15353	97.5748	54.9167	15.7750	19.2374	16.8658
2736	97.5748	211.0247	16.5303	358.5069	62.9998
15640	97.5232	143.6827	1.3775	141.8909	61.0655
804	97.5232	135.3840	26.7548	52.3425	29.2084
17301	97.5232	148.7857	39.6259	502.6110	155.5782
15570	97.5232	193.2387	49.8258	622.6698	207.2827
1295	97.5232	27.4813	7.8249	75.2102	19.2171
15003	97.4716	763.7743	241.5009	94.6028	189.1382
19086	97.4716	157.9933	20.0631	75.1020	28.1408
17658	97.4716	4.3310	3.7428	41.4360	20.5048
15301	97.4200	275.7437	37.4354	100.2767	84.4844
15002	97.3684	872.2577	263.0266	207.7934	185.5842
25090	97.3684	441.3950	92.2155	140.5463	81.4944
9240	97.3684	933.6183	14.9587	1170.9649	183.3070
15192	99.9484	245.0187	6.7325	70.9741	40.1911
18472	99.8968	261.0007	4.7005	67.1399	41.9499
3049	99.8968	1215.6133	12.3725	248.1956	126.6890
15984	99.8452	492.0337	8.2519	247.8687	57.6010

TABLE 5K: Clenbuterol--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15078	99.8452	83.0913	1.8675	206.5969	127.3381
6988	99.7420	148.1523	21.8467	12.9282	79.2454
24200	99.7420	1831.3610	51.0588	650.5468	193.2024
6844	99.7420	-15.2123	3.7916	158.4966	89.8726
23424	99.6388	495.8370	8.8821	309.6446	63.2709
13619	99.6388	260.5140	8.2960	135.0774	46.7347
13240	99.5872	384.1850	26.2196	46.0984	41.1069
5943	99.5872	2.5757	7.2305	117.6422	43.8729
14209	99.5872	95.2830	0.6904	186.1088	61.0930
2348	99.5872	235.1720	0.4753	280.7291	97.6111
22765	99.5356	111.5053	3.6676	22.9075	22.6912
11467	99.5356	216.0630	2.1991	139.6584	38.0034
23025	99.4840	-14.1163	0.4311	27.1357	41.4489
23471	99.4840	283.3903	14.5924	77.3412	35.0796
22381	99.4840	175.8840	6.3195	103.3030	23.7487
22081	99.4840	94.4403	6.8233	229.1844	47.7646
4626	99.4324	91.5253	4.1731	27.8457	26.4231
15157	99.4324	39.1553	0.2282	65.6418	20.2172
13353	99.3808	116.6127	5.6815	200.6327	32.2702
9059	99.3808	636.5220	39.1324	271.8312	79.8237
4018	99.3808	27.1503	4.5802	-11.2888	10.8308
22152	99.3292	57.3433	2.7280	-0.2891	20.2076
7315	99.3292	214.7143	34.5163	10.0917	25.3182
15051	99.2776	615.7103	141.6182	119.3141	105.8113
5675	99.2776	1314.5897	174.2619	156.0669	123.3530
2331	99.2260	1230.4933	59.9098	389.0874	358.2674
11873	99.2260	964.7597	160.1007	147.0140	109.6199
13266	99.2260	349.0043	67.6682	94.0862	43.1564
11871	99.2260	3316.3687	720.1954	43.1452	326.8880
3050	99.1744	615.6347	84.2415	87.5598	59.6096
2605	99.1744	36.3433	10.6257	302.2771	139.0916
21740	99.1228	697.6160	38.4674	276.3875	85.5203
6532	99.1228	933.6980	54.8957	449.2898	126.9559
12435	99.1228	116.6823	3.7442	229.7496	48.2511
3619	99.1228	46.3957	0.1635	57.9467	16.1863
23038	99.1228	155.3643	13.0636	20.6635	122.9799
2729	99.0712	193.8313	10.9173	480.0400	152.5689
9796	99.0712	48.0417	4.7084	6.8524	13.4118
5210	99.0712	52.3533	1.8222	96.2220	21.6672
10020	99.0712	290.1433	29.1231	117.2104	99.4120
15892	99.0196	334.6830	40.5811	58.3685	50.3007
6715	99.0196	96.9987	8.6659	42.9113	17.2734
15042	99.0196	147.0083	7.5527	44.1413	36.5945
9083	99.0196	118.1750	6.7094	251.4949	62.4067
16631	99.0196	599.9867	112.2449	64.6549	72.3076
16976	99.0196	630.3390	110.0159	244.6155	67.7554
4797	98.9680	239.9153	2.9022	150.0514	44.9756
8477	98.9164	1373.4903	73.9002	595.5884	183.3453
18473	98.9164	502.5353	39.9997	204.2286	69.6891
24375	98.9164	168.6763	3.3642	109.8936	32.6563
19071	98.9164	175.4793	5.4536	67.1093	38.8081
3207	98.9164	-77.1093	28.2336	241.8528	97.3643

TABLE 5K: Clenbuterol--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
13634	98.8648	1647.6060	76.4982	822.0337	216.6497
4969	98.8648	206.4873	38.0144	-18.9284	47.1111
15374	98.8648	179.9300	10.9265	101.8803	26.4536
22697	98.8648	76.7463	14.9592	408.5599	156.2251
21596	98.8648	886.3967	192.5967	312.3243	85.2827
23631	98.8132	475.8523	20.6543	247.4404	91.2200
657	98.8132	630.2727	103.1035	224.5298	57.1698
10659	98.7616	384.3923	15.9078	156.3555	73.8458
10971	98.7100	110.4397	11.4396	42.1501	15.6427
4479	98.7100	495.3427	80.8484	160.3289	83.4252
2372	98.7100	18.7610	0.4810	43.1912	19.0817
8820	98.7100	139.3167	15.6944	399.3163	123.0551
22317	98.7100	75.9110	17.8196	190.4315	45.8238

TABLE 5L: CYCLOPHOSPHAMIDE Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6, 48, 192 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
10320	89.7810	42.8029	11.5542	80.2271	26.6350
25752	89.4281	45.8312	32.3077	-48.6677	50.3680
4565	88.9990	22.3941	7.4914	43.5158	14.2550
6535	88.9067	326.4850	26.2854	443.6589	71.1219
4474	88.1246	83.1301	16.8788	38.9299	27.3714
3430	87.9803	166.8932	45.6262	107.2888	28.3774
17160	87.2263	2103.6017	246.2741	1700.7727	422.7708
25600	86.6528	46.2684	8.1829	70.3570	19.5693
25777	86.4964	318.4775	67.4468	233.5822	144.3214
4235	86.2998	418.5075	36.8917	323.8966	67.8761
20298	86.0632	-209.7280	224.0546	75.5678	98.8103
25438	85.7263	36.9592	16.6537	71.6885	22.8019
23215	85.7143	73.2627	9.3638	100.2808	26.8456
17130	85.5178	157.2409	27.1432	121.4634	27.8730
17350	85.3092	33.7344	14.9914	70.3727	23.6117
16227	85.2691	-8.5485	40.6641	57.0384	38.3097
4242	85.2170	354.5961	76.3555	238.4828	64.2738
298	84.9322	39.3249	7.5073	58.9297	23.5384
9538	84.4870	139.5897	45.3819	246.1349	56.4678
25075	84.4229	-55.1296	123.6013	126.3349	124.4803
17501	84.1101	47.8965	10.5383	30.7274	16.7063
21928	84.0058	24.0430	8.7688	40.1568	12.3982
15573	84.0058	85.2547	7.1748	105.6006	18.1901
485	83.9416	26.1465	4.0048	30.0318	14.0485
20440	83.8213	15.0142	24.2204	51.5582	18.9648
18819	83.5365	9.6234	18.9771	47.3364	25.9806
4601	83.5085	124.2250	54.2512	64.3827	25.3876
25235	83.4202	21.0332	3.1490	28.7791	9.5164
1816	83.3801	63.6727	11.0712	36.9095	24.3261
21287	83.2478	663.9862	249.7618	437.6605	113.2092
15846	83.1716	28.2028	18.3707	68.2328	33.9342
22434	83.0553	75.1141	22.1786	158.0193	85.7508
21182	83.0392	446.7158	113.3050	273.5515	73.8746
14989	82.9871	1065.5044	242.9779	724.6623	151.5867
1894	82.8828	323.7673	130.9377	148.5104	74.7605
20928	82.8587	4.8148	9.5444	22.6804	14.0144
20864	82.7545	7.0454	5.2635	24.6889	14.9762
1170	82.5580	99.0908	23.3225	74.5513	20.4279
4684	82.4537	90.8723	14.6729	55.9466	21.9963
1879	82.2211	52.2070	12.8776	70.6751	19.1321
24662	82.1810	160.5178	9.0516	177.7223	40.3160
16210	81.9082	344.3033	25.2730	309.6258	80.6548
1709	81.9082	42.6635	6.6617	60.1366	32.4778
21882	81.7639	67.8985	9.4656	96.4214	28.1915
492	81.7478	521.8128	359.0693	200.5845	132.3089
21440	81.6596	69.1262	6.7560	58.8514	29.7861
24597	81.6315	664.7450	113.9138	481.3343	107.1911
4622	81.5673	744.0142	80.0984	594.7047	97.8738
11454	81.5152	295.1553	62.6632	209.1293	63.0907
25737	81.4911	20.6926	7.4353	33.0323	16.0955
16955	81.3829	917.9139	347.0575	528.0292	172.1319
25495	81.3588	179.2540	16.6020	140.4145	34.0588

TABLE 5L: CYCLOPHOSPHAMIDE Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6, 48, 192 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
20554	81.3468	30.1092	19.3862	75.9650	36.7275
9905	81.2665	3.2448	32.2360	42.2181	22.7696
18468	81.2665	57.1878	30.4622	95.0510	27.8996
4362	81.0981	31.5221	34.1067	35.6249	20.7827
17561	81.0219	181.7411	42.6801	286.7749	138.0625
25369	81.0219	18.4957	4.2567	26.8936	11.1197
20450	80.9818	46.5020	15.8107	72.8100	22.3093
16241	80.9818	29.5792	3.7244	39.2193	9.5723
919	80.9176	-8.1594	16.5029	28.3589	38.3582
22583	80.8254	17.6804	3.1824	23.9761	5.7883
200	80.8254	55.7341	11.1492	79.2127	22.5790
20225	80.7732	32.5332	10.4836	96.7807	57.4815
1108	80.7331	16.5236	7.6479	33.0522	11.9111
14980	80.7211	30.2779	12.3506	13.1152	14.7570
1005	80.7211	48.6211	8.6610	32.9766	20.1841
23058	80.6569	216.2758	48.4577	282.9896	72.7094
619	80.5126	28.8201	3.2076	36.6183	8.6739
381	80.4083	17.2289	7.4306	29.1982	10.6731
20779	80.3160	165.3218	17.5305	124.0075	27.8463
15485	80.2759	30.7244	11.8598	14.1573	10.2435
1948	80.2639	135.8238	30.4102	82.4756	43.2075
21069	80.2519	35.4449	5.3390	49.5922	14.2142
17502	80.2238	285.0915	63.2148	193.0939	56.4031
20998	80.1315	524.4325	181.7060	279.3474	80.8708
20536	80.1195	38.3231	31.6941	11.8192	22.3703
17972	80.1075	27.8115	11.5342	42.8828	11.8088
18895	80.0032	114.9495	22.6815	163.3734	34.7994
19949	79.9751	131.3377	28.7340	82.5089	20.9379
17086	79.9390	157.1793	28.2946	209.2537	48.6931
20246	79.9230	4.4057	29.0201	46.5865	21.6320
912	79.8709	514.3985	115.6418	380.2598	63.1228
17174	79.8187	88.9931	34.3390	44.8814	24.0878
25496	79.7425	201.9165	22.2101	157.5616	37.4827
22150	79.6503	224.3901	48.0786	151.1148	44.5119
25659	79.6142	38.9102	12.7519	90.1269	61.2185
20021	79.5981	21.5031	62.2867	-68.4464	58.7235
4412	79.5861	505.8172	57.5353	391.7156	81.3105
20980	79.5741	34.7882	6.1143	49.3264	15.3112
18032	79.5219	44.1663	19.4651	88.9932	44.5654
15142	79.4417	29.8871	10.2390	14.9828	11.7599
18655	79.4016	48.4742	105.6019	156.9252	61.1346
8269	79.3134	15.1508	3.8355	21.8943	9.4989
15408	79.3014	201.3526	31.1048	267.5795	79.7365
18226	79.2733	347.2062	41.3967	285.8516	55.2318
25705	79.2452	529.9615	172.6778	359.4869	116.2552
1581	79.2211	370.1620	43.9235	296.6924	61.2129
18098	79.1570	43.4105	10.6774	58.5767	15.2037
23698	79.1570	22.5660	4.4851	36.6734	12.7716
19928	95.5162	925.7691	133.5806	455.9207	201.3601
13802	90.0417	82.1183	15.6432	139.6725	38.6296
2782	89.6767	90.1382	18.5820	55.6441	44.4733
11563	89.2717	223.4953	52.2880	116.1155	54.8260

TABLE 5L: CYCLOPHOSPHAMIDE
Timepoint(s): 6, 48, 192 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23545	88.9067	5945.0338	1280.6033	3900.7723	1027.4567
5553	88.6861	24.6978	17.7864	86.3451	83.0760
5969	87.8118	600.5945	76.7185	426.2666	122.9818
461	87.4870	59.9835	10.9837	99.8830	30.2609
7715	87.3827	19.2980	5.1869	33.8221	11.9180
9286	87.3306	222.8223	32.2374	310.6062	67.9793
22771	87.2904	559.0163	58.8088	385.8688	93.0129
2559	87.1220	284.6615	53.9835	411.3248	89.1976
19283	87.0699	265.8252	85.8404	429.5856	125.7037
15786	86.8733	156.4094	30.5506	89.4438	41.8035
19093	86.2878	83.5065	38.2466	188.3403	83.9028
5378	86.1835	320.8532	19.9846	373.9869	86.1896
12805	86.0792	77.2402	22.4623	11.6043	53.3344
7970	85.9349	104.6198	20.6103	152.3275	31.0565
4151	85.9228	391.9504	84.6875	603.8739	163.2447
11368	85.7383	60.7732	29.7627	12.0356	24.9961
23840	85.6862	89.0182	59.5736	-30.0771	58.9398
17261	85.6220	766.4824	84.1296	575.6093	138.9607
17796	85.5057	76.7958	16.8909	147.3081	60.3874
3094	85.4135	39.5858	11.4552	87.0693	51.0256
18854	85.2972	164.8416	20.7067	191.7377	51.6309
19145	85.2691	475.8288	65.8220	361.1610	60.9836
13511	85.1528	210.4325	25.4688	155.3516	35.9170
2211	85.0485	-13.4862	33.9645	51.7761	39.4487
5111	84.9844	240.8116	43.9451	365.5485	128.5405
11337	84.8801	41.2845	12.0828	65.7655	19.9522
17089	84.8400	1402.3132	189.5788	1086.3912	401.2285
16543	84.7999	53.5725	22.0423	97.1162	25.0521
5740	84.7237	44.1492	12.5690	74.0108	26.5389
23337	84.7076	508.7272	176.7436	279.0357	100.2738
3191	84.6836	229.4547	29.9839	161.5617	44.6216
23464	84.6435	259.7548	64.2746	161.8276	51.8224
1182	84.6314	69.0456	16.7101	107.3778	26.4151
9876	84.2665	41.0540	22.0838	93.3784	36.4615
12804	84.2143	29.3941	16.9388	62.1187	24.9069
17355	84.1622	539.2781	108.7013	762.9939	169.7132
4873	83.9256	727.1948	252.9898	441.5460	110.5566
17492	83.8895	532.6638	131.2774	802.8211	236.1699
15084	83.7571	67.0725	57.5538	197.8258	77.3188
22438	83.7451	-10.9127	12.3748	23.1043	29.0729
4626	83.6007	70.5967	26.6423	27.4654	26.1604
14337	83.5365	236.3598	30.3950	307.7315	50.7455
8627	83.4323	19.7490	10.6688	39.2932	14.3428
4975	83.3280	66.2334	15.4385	105.7459	29.5074
6458	83.2758	13.9457	5.6771	34.2500	21.6628
18337	83.2758	423.4050	86.0876	592.1076	120.7567
11268	83.2117	103.1452	22.8648	146.3976	40.9740
15904	83.1716	297.8010	53.1909	427.0825	92.9293
22911	83.1595	113.0401	27.8182	171.0561	61.5415
7044	83.1435	1676.3148	416.2079	1293.0095	246.6518
3319	83.0793	14.5687	17.0282	35.4199	15.6659
12356	83.0152	57.0170	13.5032	99.2891	36.0694

TABLE 5L: CYCLOPHOSPHAMIDE Timepoint(s): 6, 48, 192 hrs			Atty. Ref. 44921-5090-01-WO/2105485		
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
7961	83.0152	21.9158	13.8782	46.4652	17.6986
18680	83.0152	117.5713	17.4993	164.6098	39.7749
18610	82.9630	469.9288	62.6292	375.7056	74.7646
15924	82.9229	40.8472	37.0034	98.2426	37.6253
6658	82.9109	93.6829	22.9474	134.7486	31.5014
4917	82.9109	14.4837	15.2375	61.1111	36.2076

TABLE 5M: Cyclophosphamide**Core Tox Markers****Timepoint(s): 6, 48, 192 hrs**

Atty. Ref. No. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
10320	89.7810	42.8029	11.5542	80.2271	26.6350
25752	89.4281	45.8312	32.3077	-48.6677	50.3680
4565	88.9990	22.3941	7.4914	43.5158	14.2550
6535	88.9067	326.4850	26.2854	443.6589	71.1219
4474	88.1246	83.1301	16.8788	38.9299	27.3714
3430	87.9803	166.8932	45.6262	107.2888	28.3774
17160	87.2263	2103.6017	246.2741	1700.7727	422.7708
25600	86.6528	46.2684	8.1829	70.3570	19.5693
25777	86.4964	318.4775	67.4468	233.5822	144.3214
4235	86.2998	418.5075	36.8917	323.8966	67.8761
20298	86.0632	-209.7280	224.0546	75.5678	98.8103
25438	85.7263	36.9592	16.6537	71.6885	22.8019
23215	85.7143	73.2627	9.3638	100.2808	26.8456
17130	85.5178	157.2409	27.1432	121.4634	27.8730
24228	85.4897	327.6269	131.5678	158.3839	46.2452
17350	85.3092	33.7344	14.9914	70.3727	23.6117
16227	85.2691	-8.5485	40.6641	57.0384	38.3097
4242	85.2170	354.5961	76.3555	238.4828	64.2738
298	84.9322	39.3249	7.5073	58.9297	23.5384
22423	84.4991	191.4260	97.7415	85.1822	50.7684
9538	84.4870	139.5897	45.3819	246.1349	56.4678
25075	84.4229	-55.1296	123.6013	126.3349	124.4803
17501	84.1101	47.8965	10.5383	30.7274	16.7063
21928	84.0058	24.0430	8.7688	40.1568	12.3982
15573	84.0058	85.2547	7.1748	105.6006	18.1901
485	83.9416	26.1465	4.0048	30.0318	14.0485
20440	83.8213	15.0142	24.2204	51.5582	18.9648
18819	83.5365	9.6234	18.9771	47.3364	25.9806
4601	83.5085	124.2250	54.2512	64.3827	25.3876
25235	83.4202	21.0332	3.1490	28.7791	9.5164
1816	83.3801	63.6727	11.0712	36.9095	24.3261
21287	83.2478	663.9862	249.7618	437.6605	113.2092
15846	83.1716	28.2028	18.3707	68.2328	33.9342
22434	83.0553	75.1141	22.1786	158.0193	85.7508
21182	83.0392	446.7158	113.3050	273.5515	73.8746
14989	82.9871	1065.5044	242.9779	724.6623	151.5867
1894	82.8828	323.7673	130.9377	148.5104	74.7605
20928	82.8587	4.8148	9.5444	22.6804	14.0144
20864	82.7545	7.0454	5.2635	24.6889	14.9762
1170	82.5580	99.0908	23.3225	74.5513	20.4279
4684	82.4537	90.8723	14.6729	55.9466	21.9963
1879	82.2211	52.2070	12.8776	70.6751	19.1321
24662	82.1810	160.5178	9.0516	177.7223	40.3160
16210	81.9082	344.3033	25.2730	309.6258	80.6548
1709	81.9082	42.6635	6.6617	60.1366	32.4778
21882	81.7639	67.8985	9.4656	96.4214	28.1915
492	81.7478	521.8128	359.0693	200.5845	132.3089
21440	81.6596	69.1262	6.7560	58.8514	29.7861
24597	81.6315	664.7450	113.9138	481.3343	107.1911
4622	81.5673	744.0142	80.0984	594.7047	97.8738
11454	81.5152	295.1553	62.6632	209.1293	63.0907

TABLE 5M: Cyclophosphamide
Core Tox Markers
Timepoint(s): 6, 48, 192 hrs

Atty. Ref. No. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
25737	81.4911	20.6926	7.4353	33.0323	16.0955
16955	81.3829	917.9139	347.0575	528.0292	172.1319
25495	81.3588	179.2540	16.6020	140.4145	34.0588
20554	81.3468	30.1092	19.3862	75.9650	36.7275
9905	81.2665	3.2448	32.2360	42.2181	22.7696
18468	81.2665	57.1878	30.4622	95.0510	27.8996
4362	81.0981	31.5221	34.1067	35.6249	20.7827
17561	81.0219	181.7411	42.6801	286.7749	138.0625
25369	81.0219	18.4957	4.2567	26.8936	11.1197
20450	80.9818	46.5020	15.8107	72.8100	22.3093
16241	80.9818	29.5792	3.7244	39.2193	9.5723
919	80.9176	-8.1594	16.5029	28.3589	38.3582
22583	80.8254	17.6804	3.1824	23.9761	5.7883
200	80.8254	55.7341	11.1492	79.2127	22.5790
20225	80.7732	32.5332	10.4836	96.7807	57.4815
1108	80.7331	16.5236	7.6479	33.0522	11.9111
14980	80.7211	30.2779	12.3506	13.1152	14.7570
1005	80.7211	48.6211	8.6610	32.9766	20.1841
25676	80.6810	75.3428	70.7945	167.8154	66.1244
23058	80.6569	216.2758	48.4577	282.9896	72.7094
619	80.5126	28.8201	3.2076	36.6183	8.6739
381	80.4083	17.2289	7.4306	29.1982	10.6731
20779	80.3160	165.3218	17.5305	124.0075	27.8463
15485	80.2759	30.7244	11.8598	14.1573	10.2435
1948	80.2639	135.8238	30.4102	82.4756	43.2075
21069	80.2519	35.4449	5.3390	49.5922	14.2142
17502	80.2238	285.0915	63.2148	193.0939	56.4031
15174	80.1837	257.3659	99.4323	167.1174	50.4460
20998	80.1315	524.4325	181.7060	279.3474	80.8708
20536	80.1195	38.3231	31.6941	11.8192	22.3703
17972	80.1075	27.8115	11.5342	42.8828	11.8088
18895	80.0032	114.9495	22.6815	163.3734	34.7994
19949	79.9751	131.3377	28.7340	82.5089	20.9379
17086	79.9390	157.1793	28.2946	209.2537	48.6931
20246	79.9230	4.4057	29.0201	46.5865	21.6320
21657	79.8709	1487.1038	441.9326	948.9767	218.1292
912	79.8709	514.3985	115.6418	380.2598	63.1228
17174	79.8187	88.9931	34.3390	44.8814	24.0878
25496	79.7425	201.9165	22.2101	157.5616	37.4827
22150	79.6503	224.3901	48.0786	151.1148	44.5119
25659	79.6142	38.9102	12.7519	90.1269	61.2185
20021	79.5981	21.5031	62.2867	-68.4464	58.7235
4412	79.5861	505.8172	57.5353	391.7156	81.3105
20980	79.5741	34.7882	6.1143	49.3264	15.3112
18032	79.5219	44.1663	19.4651	88.9932	44.5654
15142	79.4417	29.8871	10.2390	14.9828	11.7599
18655	79.4016	48.4742	105.6019	156.9252	61.1346
8269	79.3134	15.1508	3.8355	21.8943	9.4989
15408	79.3014	201.3526	31.1048	267.5795	79.7365
19928	95.5162	925.7691	133.5806	455.9207	201.3601
13802	90.0417	82.1183	15.6432	139.6725	38.6296

TABLE 5M: Cyclophosphamide Core Tox Markers Timepoint(s): 6, 48, 192 hrs			Atty. Ref. No. 44921-5090-01-WO/2105485		
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
2782	89.6767	90.1382	18.5820	55.6441	44.4733
11563	89.2717	223.4953	52.2880	116.1155	54.8260
23545	88.9067	5945.0338	1280.6033	3900.7723	1027.4567
5553	88.6861	24.6978	17.7864	86.3451	83.0760
5969	87.8118	600.5945	76.7185	426.2666	122.9818
461	87.4870	59.9835	10.9837	99.8830	30.2609
7715	87.3827	19.2980	5.1869	33.8221	11.9180
9286	87.3306	222.8223	32.2374	310.6062	67.9793
22771	87.2904	559.0163	58.8088	385.8688	93.0129
2559	87.1220	284.6615	53.9835	411.3248	89.1976
19283	87.0699	265.8252	85.8404	429.5856	125.7037
15786	86.8733	156.4094	30.5506	89.4438	41.8035
19093	86.2878	83.5065	38.2466	188.3403	83.9028
5378	86.1835	320.8532	19.9846	373.9869	86.1896
12805	86.0792	77.2402	22.4623	11.6043	53.3344
7970	85.9349	104.6198	20.6103	152.3275	31.0565
4151	85.9228	391.9504	84.6875	603.8739	163.2447
11368	85.7383	60.7732	29.7627	12.0356	24.9961
23840	85.6862	89.0182	59.5736	-30.0771	58.9398
17261	85.6220	766.4824	84.1296	575.6093	138.9607
17796	85.5057	76.7958	16.8909	147.3081	60.3874
3094	85.4135	39.5858	11.4552	87.0693	51.0256
18854	85.2972	164.8416	20.7067	191.7377	51.6309
19145	85.2691	475.8288	65.8220	361.1610	60.9836
13511	85.1528	210.4325	25.4688	155.3516	35.9170
2211	85.0485	-13.4862	33.9645	51.7761	39.4487
5111	84.9844	240.8116	43.9451	365.5485	128.5405
11337	84.8801	41.2845	12.0828	65.7655	19.9522
17089	84.8400	1402.3132	189.5788	1086.3912	401.2285
16543	84.7999	53.5725	22.0423	97.1162	25.0521
5740	84.7237	44.1492	12.5690	74.0108	26.5389
23337	84.7076	508.7272	176.7436	279.0357	100.2738
3191	84.6836	229.4547	29.9839	161.5617	44.6216
23464	84.6435	259.7548	64.2746	161.8276	51.8224
1182	84.6314	69.0456	16.7101	107.3778	26.4151
9876	84.2665	41.0540	22.0838	93.3784	36.4615
12804	84.2143	29.3941	16.9388	62.1187	24.9069
17355	84.1622	539.2781	108.7013	762.9939	169.7132
4873	83.9256	727.1948	252.9898	441.5460	110.5566
17492	83.8895	532.6638	131.2774	802.8211	236.1699
15084	83.7571	67.0725	57.5538	197.8258	77.3188
22438	83.7451	-10.9127	12.3748	23.1043	29.0729
4626	83.6007	70.5967	26.6423	27.4654	26.1604
14337	83.5365	236.3598	30.3950	307.7315	50.7455
19257	83.5085	21.1983	35.8030	-27.3921	31.3944
8627	83.4323	19.7490	10.6688	39.2932	14.3428
4975	83.3280	66.2334	15.4385	105.7459	29.5074
6458	83.2758	13.9457	5.6771	34.2500	21.6628
18337	83.2758	423.4050	86.0876	592.1076	120.7567
11268	83.2117	103.1452	22.8648	146.3976	40.9740
15904	83.1716	297.8010	53.1909	427.0825	92.9293

TABLE 5M: Cyclophosphamide Core Tox Markers			Atty. Ref. No. 44921-5090-01-WO/2105485		
Timepoint(s): 6, 48, 192 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
22911	83.1595	113.0401	27.8182	171.0561	61.5415
7044	83.1435	1676.3148	416.2079	1293.0095	246.6518
3319	83.0793	14.5687	17.0282	35.4199	15.6659
12356	83.0152	57.0170	13.5032	99.2891	36.0694
7961	83.0152	21.9158	13.8782	46.4652	17.6986
18680	83.0152	117.5713	17.4993	164.6098	39.7749
18610	82.9630	469.9288	62.6292	375.7056	74.7646
15924	82.9229	40.8472	37.0034	98.2426	37.6253
6658	82.9109	93.6829	22.9474	134.7486	31.5014
4917	82.9109	14.4837	15.2375	61.1111	36.2076

TABLE 5N: EPINEPHRINE Timepoint(s): 24 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
21666	99.2776	26.5160	0.5537	6.1908	11.8188
23651	99.1744	1189.0270	603.8436	41.0596	145.0774
7486	99.1744	38.6977	0.5324	87.5030	51.1809
18128	99.1228	97.7840	0.8931	136.4916	26.0286
16049	98.8132	62.2973	0.9762	88.2642	88.2297
16416	98.7100	84.5417	18.0022	38.6044	12.6402
12422	98.6068	128.8727	4.6111	79.9457	18.8585
25450	98.5552	71.5753	0.5908	100.0363	33.8216
20589	98.5036	705.7920	156.4907	148.0740	85.6816
24869	98.5036	89.4850	1.5779	155.9979	43.2849
17570	98.4004	219.0427	0.6782	209.9197	61.7961
14970	98.3488	36.4547	1.8231	80.6479	20.5629
11843	98.2456	125.3780	14.4234	73.8868	16.2415
243	98.0908	792.8837	10.8311	621.4805	114.4201
20913	97.8844	106.9910	1.1868	152.4929	40.5650
14034	97.8844	80.2733	0.2583	84.1934	19.2986
25249	97.8844	81.8490	0.6821	101.0746	26.2928
15913	97.7812	137.9433	40.1589	32.5121	22.2242
16925	97.7812	642.3187	46.1746	975.4178	177.5760
23219	97.7812	0.1467	1.3517	21.5528	23.5072
20318	97.6780	14.1007	0.2911	21.6317	7.7240
15629	97.6780	44.0570	0.9964	60.2613	30.0527
23488	97.6264	34.2253	0.4176	42.8957	13.0247
16844	97.5748	2836.0520	13.2871	2828.8884	913.5317
18883	97.5748	163.1527	30.6395	68.5704	26.7822
18881	97.5232	45.3147	6.3140	18.6079	8.0491
11114	97.5232	59.7723	5.9778	31.5257	37.7707
15003	97.4200	785.0383	382.0336	94.5369	188.4213
15503	97.4200	215.3473	5.8073	143.6030	39.6125
18108	97.4200	250.3110	33.9669	157.8583	23.8601
15002	97.3684	937.6463	311.9264	207.5909	184.6641
17530	97.3684	153.7763	8.8256	95.0549	23.6960
2413	97.3684	737.1813	3.4232	625.9727	104.5680
1375	97.3684	87.1750	0.8159	105.0913	34.0323
786	97.3684	20.8183	0.4460	31.8745	11.5904
13974	97.3168	1001.5317	187.6777	538.4064	143.4835
15135	97.3168	1805.3227	222.7124	994.6434	216.5505
16215	97.3168	381.4167	68.5701	212.8355	44.1031
2109	97.3168	1133.9577	65.7596	757.7591	158.9157
24533	97.2652	121.7623	23.9496	272.2374	84.4221
16654	97.2136	22.0607	9.5395	6.3900	7.7609
13646	97.1620	1122.2877	163.9331	577.3346	154.8930
15829	97.1104	11.2407	0.4962	51.0544	73.5249
25629	97.1104	61.8770	0.9283	86.5926	34.0593
1523	97.1104	123.1260	12.9143	212.0214	51.9488
15682	97.0588	76.4617	1.9705	118.7850	33.9263
24868	97.0588	18.4540	0.4151	26.0513	12.4125
20127	97.0588	40.1933	0.6384	30.8397	21.2116
13369	97.0588	247.8743	1.7131	281.5172	59.2644
22940	97.0588	84.3060	1.6831	70.4649	20.4728
503	97.0072	46.9083	0.9373	63.6186	17.8034
23781	97.0072	91.4017	25.3615	39.5741	16.7864

TABLE 5N: EPINEPHRINE		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24 hrs		Mean Tox	SD Tox	Mean Nontox	SD Nontox
GLGC ID	LDA Score				
22321	96.9556	507.3317	93.8041	173.3048	95.6395
15446	96.9556	404.0587	6.9877	304.1873	73.1145
17215	96.9040	83.5970	10.4867	168.0604	43.6118
18798	96.8524	107.5180	1.3541	138.4193	28.2947
18572	96.8524	908.0947	3.9575	1003.6540	145.8404
21975	96.8524	257.9910	7.7455	181.2767	79.8482
20032	96.8008	17.5237	1.7078	43.4604	15.2240
25899	96.7492	15.5163	0.2316	20.5485	7.1895
23731	96.7492	263.6543	18.5718	159.9061	45.0677
619	96.7492	22.4083	1.7778	36.5577	8.6468
20770	96.6976	156.8697	23.4808	56.2296	41.2374
1801	96.6976	120.4320	15.6344	76.8255	18.7138
24536	96.6976	1355.7977	41.0844	998.6555	188.8572
10015	96.6460	420.5977	68.7205	217.8729	63.7868
25359	96.5944	33.1293	0.4272	43.7954	14.7516
15253	96.5944	237.1250	24.9522	108.3637	47.0250
11849	96.5944	1458.8320	107.8285	940.8786	195.5401
12400	96.5428	48.3297	12.2020	24.2917	8.7001
16552	96.4912	92.8863	24.4873	38.9750	18.7740
18357	96.4912	323.6223	3.3133	319.9372	82.7828
15513	96.4912	166.9317	2.7130	189.9391	42.3197
18054	96.4396	83.6250	2.1335	126.2777	31.6272
7050	96.4396	67.4593	1.1035	60.3158	24.3089
22675	96.3880	87.7107	18.4663	30.8168	20.8898
24814	96.3880	125.6697	30.0655	71.9543	16.4597
20518	96.3364	175.7517	3.1089	226.4270	41.2545
13151	96.3364	3338.0793	190.6440	2187.6161	569.2195
25816	96.2848	17.6030	0.4452	25.6224	8.5933
22555	96.2332	29.4340	3.0467	12.0415	8.1039
5622	96.2332	406.5067	100.2078	206.3462	60.9271
16218	96.2332	1127.6243	21.3959	845.7607	365.8797
22552	96.1816	715.1360	22.1595	452.2379	173.4372
4327	96.1816	157.7943	47.5454	91.5411	27.7979
6100	96.1816	3273.6163	299.3398	2108.3253	503.6042
11454	96.1816	286.6350	5.8844	210.0435	63.7797
25529	96.1300	38.6000	0.7893	38.3339	74.3495
2853	96.0784	150.4390	47.4404	80.3220	24.7315
343	96.0784	58.3073	4.3074	53.2117	43.8789
1478	96.0268	23.1500	0.6358	37.8936	24.9431
18148	96.0268	59.9527	2.7085	98.7423	29.3865
487	95.9752	28.8640	0.7488	41.7508	11.9850
1540	95.9752	50.0800	14.4963	16.6814	13.4567
492	95.9236	118.3757	2.8412	205.1486	142.3625
25547	95.9236	191.8723	8.0536	356.1624	129.2161
12118	95.9236	1192.9273	298.6520	544.6224	298.7975
15185	95.9236	1429.2477	152.1055	931.2553	186.7858
1168	95.9236	21.1347	3.0824	6.1562	6.6213
19661	95.8720	6.7690	1.0521	28.3817	15.5908
3527	99.8452	12.9287	0.0487	24.7505	21.0113
3931	99.4324	107.6857	0.2150	127.5319	30.5123
7036	99.2776	101.0093	0.1155	113.8784	21.4829
12324	99.1228	35.7033	6.6789	-35.6344	38.6620

TABLE 5N: EPINEPHRINE Timepoint(s): 24 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
13717	99.0712	74.7137	0.9743	112.0620	23.7583
21509	98.9164	787.7937	27.5886	445.5429	136.0931
24135	98.9164	380.8940	1.7808	259.5384	91.8464
11644	98.8648	510.5817	20.1340	224.8430	82.1521
22026	98.8132	3518.2023	8.7712	3305.1771	1100.9499
11166	98.7616	228.4097	13.3451	124.5399	35.4118
3211	98.7100	136.1203	47.1696	6.0020	17.2314
4049	98.6584	757.4380	272.8084	42.0070	124.2871
4048	98.6584	331.6660	154.6004	18.3030	75.1596
24270	98.5552	238.9863	2.3146	170.0291	58.4029
22592	98.5552	836.2727	287.0068	201.6477	133.2668
23326	98.5036	111.8597	0.4384	126.6552	27.4519
1506	98.4520	336.9553	11.6236	239.0523	37.0479
3165	98.4004	33.5920	0.3715	30.7942	25.0551
17106	98.2972	49.6850	0.6158	75.5109	26.2033
23435	98.2972	27.0300	1.9148	-34.1479	49.1359
13929	98.2456	331.9700	89.3004	110.4635	47.9681
10970	98.2456	42.4007	1.1561	84.6732	32.6599
21771	98.2456	1064.0957	7.2340	920.3425	230.4271
16062	98.2456	1259.5520	34.4070	841.6006	186.6852
4207	98.2456	291.3373	74.6083	122.4612	41.6400
23511	98.1940	124.6603	2.0103	76.6181	30.8712
13915	98.1424	61.3407	0.3722	68.1771	16.9576
3832	98.1424	57.6423	0.5583	78.0201	35.2295
13702	97.9876	24.4990	0.7311	49.7110	21.5412
894	97.9876	409.7137	21.2847	213.4587	79.8531
4969	97.9360	113.4747	56.9545	-18.6405	48.1540
2765	97.8844	165.9460	2.0674	115.4260	33.7180
5228	97.8844	172.1703	63.8689	17.5026	45.0830
18581	97.8844	309.6860	8.9991	224.5213	58.7700
2125	97.8328	458.4750	239.1954	110.1359	89.7111
5760	97.8328	166.8853	2.3547	125.9282	28.0269
10310	97.8328	468.2403	34.3944	773.8072	151.8248
8347	97.8328	125.8373	71.4582	33.1032	24.2624
16971	97.7296	604.9870	2.2495	625.9080	110.1953
10096	97.7296	45.2850	0.7088	67.9757	27.8152
4490	97.7296	350.7433	99.1027	71.4423	77.3708
15004	97.6780	1513.7483	676.9818	333.7069	264.8772
11634	97.6780	63.2070	1.0015	104.1398	33.6241
6606	97.6780	4957.6607	591.8675	1868.8558	759.0889
14945	97.6780	201.9357	4.8148	312.2025	284.6709
19396	97.6780	77.0060	0.5804	64.5836	22.0189
9808	97.6264	21.9317	0.2473	28.2164	12.7466
9546	97.6264	248.0543	3.4682	348.8435	71.5539
21252	97.6264	21.4473	0.3102	27.0436	17.6819
8058	97.6264	502.7917	51.4777	316.4540	55.8216
4945	97.6264	48.4333	2.8325	114.2217	62.8329
24089	97.6264	383.9677	11.7182	215.7464	102.1879
2531	97.5748	232.7287	19.4053	128.3824	43.7997
4475	97.5232	121.5643	1.2526	98.1603	24.6261
6098	97.5232	62.4710	5.0207	104.3365	21.8370
24040	97.5232	858.5613	317.0292	373.3416	133.6995

TABLE 5N: EPINEPHRINE		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
21166	97.5232	678.6667	202.1629	312.2661	87.1282
1901	97.4716	51.5103	3.4812	72.1035	66.0043
11995	97.4716	58.4227	0.5425	67.8725	29.5639
18198	97.4200	223.5667	0.9721	230.7480	62.4391
9218	97.4200	47.6807	0.8715	71.3801	31.9428
23097	97.4200	133.0247	18.6534	70.5065	23.7675
10053	97.4200	49.2487	0.7590	66.8934	38.0980
18848	97.3684	16.4617	0.3413	27.1611	11.3058
10028	97.3684	205.4137	3.2177	278.2003	56.9774
21796	97.3684	623.4527	184.6330	267.9207	90.6188

TABLE 5O: Epinephrine--Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
21666	99.2776	26.5160	0.5537	6.1908	11.8188
23651	99.1744	1189.0270	603.8436	41.0596	145.0774
7486	99.1744	38.6977	0.5324	87.5030	51.1809
18128	99.1228	97.7840	0.8931	136.4916	26.0286
16049	98.8132	62.2973	0.9762	88.2642	88.2297
16416	98.7100	84.5417	18.0022	38.6044	12.6402
12422	98.6068	128.8727	4.6111	79.9457	18.8585
25450	98.5552	71.5753	0.5908	100.0363	33.8216
20589	98.5036	705.7920	156.4907	148.0740	85.6816
24869	98.5036	89.4850	1.5779	155.9979	43.2849
17570	98.4004	219.0427	0.6782	209.9197	61.7961
14970	98.3488	36.4547	1.8231	80.6479	20.5629
11843	98.2456	125.3780	14.4234	73.8868	16.2415
243	98.0908	792.8837	10.8311	621.4805	114.4201
20913	97.8844	106.9910	1.1868	152.4929	40.5650
14034	97.8844	80.2733	0.2583	84.1934	19.2986
25249	97.8844	81.8490	0.6821	101.0746	26.2928
15913	97.7812	137.9433	40.1589	32.5121	22.2242
16925	97.7812	642.3187	46.1746	975.4178	177.5760
23219	97.7812	0.1467	1.3517	21.5528	23.5072
20318	97.6780	14.1007	0.2911	21.6317	7.7240
15629	97.6780	44.0570	0.9964	60.2613	30.0527
23488	97.6264	34.2253	0.4176	42.8957	13.0247
16844	97.5748	2836.0520	13.2871	2828.8884	913.5317
18883	97.5748	163.1527	30.6395	68.5704	26.7822
1892	97.5232	2524.4427	258.3548	1211.4688	391.7182
18881	97.5232	45.3147	6.3140	18.6079	8.0491
11114	97.5232	59.7723	5.9778	31.5257	37.7707
15003	97.4200	785.0383	382.0336	94.5369	188.4213
385	97.4200	-2.5247	4.4773	45.8836	22.7615
15503	97.4200	215.3473	5.8073	143.6030	39.6125
18108	97.4200	250.3110	33.9669	157.8583	23.8601
15002	97.3684	937.6463	311.9264	207.5909	184.6641
17530	97.3684	153.7763	8.8256	95.0549	23.6960
2413	97.3684	737.1813	3.4232	625.9727	104.5680
1375	97.3684	87.1750	0.8159	105.0913	34.0323
786	97.3684	20.8183	0.4460	31.8745	11.5904
13974	97.3168	1001.5317	187.6777	538.4064	143.4835
15135	97.3168	1805.3227	222.7124	994.6434	216.5505
16215	97.3168	381.4167	68.5701	212.8355	44.1031
2109	97.3168	1133.9577	65.7596	757.7591	158.9157
24533	97.2652	121.7623	23.9496	272.2374	84.4221
16654	97.2136	22.0607	9.5395	6.3900	7.7609
13646	97.1620	1122.2877	163.9331	577.3346	154.8930
15829	97.1104	11.2407	0.4962	51.0544	73.5249
25629	97.1104	61.8770	0.9283	86.5926	34.0593
1523	97.1104	123.1260	12.9143	212.0214	51.9488
15682	97.0588	76.4617	1.9705	118.7850	33.9263
24868	97.0588	18.4540	0.4151	26.0513	12.4125
20127	97.0588	40.1933	0.6384	30.8397	21.2116
13369	97.0588	247.8743	1.7131	281.5172	59.2644
22940	97.0588	84.3060	1.6831	70.4649	20.4728

TABLE 5O: Epinephrine--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
503	97.0072	46.9083	0.9373	63.6186	17.8034
23781	97.0072	91.4017	25.3615	39.5741	16.7864
22321	96.9556	507.3317	93.8041	173.3048	95.6395
17734	96.9556	2502.4650	847.6621	1047.1352	499.3653
15446	96.9556	404.0587	6.9877	304.1873	73.1145
17215	96.9040	83.5970	10.4867	168.0604	43.6118
18798	96.8524	107.5180	1.3541	138.4193	28.2947
18572	96.8524	908.0947	3.9575	1003.6540	145.8404
21975	96.8524	257.9910	7.7455	181.2767	79.8482
11531	96.8008	1110.7257	227.5568	408.4068	295.3104
20032	96.8008	17.5237	1.7078	43.4604	15.2240
10016	96.8008	404.6877	66.9408	201.8223	61.9310
25899	96.7492	15.5163	0.2316	20.5485	7.1895
23731	96.7492	263.6543	18.5718	159.9061	45.0677
619	96.7492	22.4083	1.7778	36.5577	8.6468
20770	96.6976	156.8697	23.4808	56.2296	41.2374
1801	96.6976	120.4320	15.6344	76.8255	18.7138
24536	96.6976	1355.7977	41.0844	998.6555	188.8572
10015	96.6460	420.5977	68.7205	217.8729	63.7868
25359	96.5944	33.1293	0.4272	43.7954	14.7516
15253	96.5944	237.1250	24.9522	108.3637	47.0250
11849	96.5944	1458.8320	107.8285	940.8786	195.5401
12400	96.5428	48.3297	12.2020	24.2917	8.7001
17736	96.4912	1642.5653	546.3408	621.3711	360.1573
16552	96.4912	92.8863	24.4873	38.9750	18.7740
18357	96.4912	323.6223	3.3133	319.9372	82.7828
16017	96.4912	74.2610	4.5885	117.0576	30.0746
15513	96.4912	166.9317	2.7130	189.9391	42.3197
11530	96.4396	601.3107	161.2935	210.8034	173.7607
18054	96.4396	83.6250	2.1335	126.2777	31.6272
7050	96.4396	67.4593	1.1035	60.3158	24.3089
22675	96.3880	87.7107	18.4663	30.8168	20.8898
24814	96.3880	125.6697	30.0655	71.9543	16.4597
20518	96.3364	175.7517	3.1089	226.4270	41.2545
13151	96.3364	3338.0793	190.6440	2187.6161	569.2195
25816	96.2848	17.6030	0.4452	25.6224	8.5933
22555	96.2332	29.4340	3.0467	12.0415	8.1039
5622	96.2332	406.5067	100.2078	206.3462	60.9271
16218	96.2332	1127.6243	21.3959	845.7607	365.8797
22552	96.1816	715.1360	22.1595	452.2379	173.4372
4327	96.1816	157.7943	47.5454	91.5411	27.7979
6100	96.1816	3273.6163	299.3398	2108.3253	503.6042
11454	96.1816	286.6350	5.8844	210.0435	63.7797
25529	96.1300	38.6000	0.7893	38.3339	74.3495
2853	96.0784	150.4390	47.4404	80.3220	24.7315
343	96.0784	58.3073	4.3074	53.2117	43.8789
1478	96.0268	23.1500	0.6358	37.8936	24.9431
18148	96.0268	59.9527	2.7085	98.7423	29.3865
3527	99.8452	12.9287	0.0487	24.7505	21.0113
3931	99.4324	107.6857	0.2150	127.5319	30.5123
7036	99.2776	101.0093	0.1155	113.8784	21.4829
12324	99.1228	35.7033	6.6789	-35.6344	38.6620

TABLE 5O: Epinephrine--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
13717	99.0712	74.7137	0.9743	112.0620	23.7583
21509	98.9164	787.7937	27.5886	445.5429	136.0931
24135	98.9164	380.8940	1.7808	259.5384	91.8464
11644	98.8648	510.5817	20.1340	224.8430	82.1521
22026	98.8132	3518.2023	8.7712	3305.1771	1100.9499
11166	98.7616	228.4097	13.3451	124.5399	35.4118
24209	98.7616	130.9367	14.5426	3.0070	41.7960
3211	98.7100	136.1203	47.1696	6.0020	17.2314
4049	98.6584	757.4380	272.8084	42.0070	124.2871
4048	98.6584	331.6660	154.6004	18.3030	75.1596
24270	98.5552	238.9863	2.3146	170.0291	58.4029
22592	98.5552	836.2727	287.0068	201.6477	133.2668
23326	98.5036	111.8597	0.4384	126.6552	27.4519
1506	98.4520	336.9553	11.6236	239.0523	37.0479
3165	98.4004	33.5920	0.3715	30.7942	25.0551
17106	98.2972	49.6850	0.6158	75.5109	26.2033
23435	98.2972	27.0300	1.9148	-34.1479	49.1359
13929	98.2456	331.9700	89.3004	110.4635	47.9681
10970	98.2456	42.4007	1.1561	84.6732	32.6599
21771	98.2456	1064.0957	7.2340	920.3425	230.4271
16062	98.2456	1259.5520	34.4070	841.6006	186.6852
4207	98.2456	291.3373	74.6083	122.4612	41.6400
23511	98.1940	124.6603	2.0103	76.6181	30.8712
13915	98.1424	61.3407	0.3722	68.1771	16.9576
3832	98.1424	57.6423	0.5583	78.0201	35.2295
13702	97.9876	24.4990	0.7311	49.7110	21.5412
894	97.9876	409.7137	21.2847	213.4587	79.8531
4969	97.9360	113.4747	56.9545	-18.6405	48.1540
2765	97.8844	165.9460	2.0674	115.4260	33.7180
5228	97.8844	172.1703	63.8689	17.5026	45.0830
18581	97.8844	309.6860	8.9991	224.5213	58.7700
2125	97.8328	458.4750	239.1954	110.1359	89.7111
5760	97.8328	166.8853	2.3547	125.9282	28.0269
10310	97.8328	468.2403	34.3944	773.8072	151.8248
8347	97.8328	125.8373	71.4582	33.1032	24.2624
16971	97.7296	604.9870	2.2495	625.9080	110.1953
10096	97.7296	45.2850	0.7088	67.9757	27.8152
4490	97.7296	350.7433	99.1027	71.4423	77.3708
15004	97.6780	1513.7483	676.9818	333.7069	264.8772
11634	97.6780	63.2070	1.0015	104.1398	33.6241
6606	97.6780	4957.6607	591.8675	1868.8558	759.0889
14945	97.6780	201.9357	4.8148	312.2025	284.6709
19396	97.6780	77.0060	0.5804	64.5836	22.0189
9808	97.6264	21.9317	0.2473	28.2164	12.7466
9546	97.6264	248.0543	3.4682	348.8435	71.5539
21252	97.6264	21.4473	0.3102	27.0436	17.6819
8058	97.6264	502.7917	51.4777	316.4540	55.8216
4945	97.6264	48.4333	2.8325	114.2217	62.8329
24089	97.6264	383.9677	11.7182	215.7464	102.1879
2531	97.5748	232.7287	19.4053	128.3824	43.7997
4475	97.5232	121.5643	1.2526	98.1603	24.6261
6098	97.5232	62.4710	5.0207	104.3365	21.8370

TABLE 5O: Epinephrine--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
24040	97.5232	858.5613	317.0292	373.3416	133.6995
21166	97.5232	678.6667	202.1629	312.2661	87.1282
1901	97.4716	51.5103	3.4812	72.1035	66.0043
11995	97.4716	58.4227	0.5425	67.8725	29.5639
18198	97.4200	223.5667	0.9721	230.7480	62.4391
9218	97.4200	47.6807	0.8715	71.3801	31.9428
23097	97.4200	133.0247	18.6534	70.5065	23.7675
5227	97.4200	284.8487	20.7484	153.0970	50.7078
10053	97.4200	49.2487	0.7590	66.8934	38.0980
18848	97.3684	16.4617	0.3413	27.1611	11.3058
10028	97.3684	205.4137	3.2177	278.2003	56.9774
21796	97.3684	623.4527	184.6330	267.9207	90.6188

TABLE 5P: EPINEPHRINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
21682	99.7415	170.2108	17.8746	-10.0941	54.1422
24716	99.3795	83.0638	44.2356	-7.6759	9.6679
2628	99.3795	101.2262	21.4093	9.7733	13.5113
4512	99.0176	100.1628	9.2839	23.0663	27.6873
1475	98.9659	2131.2934	1187.2397	99.1846	236.0731
18349	98.9142	419.5130	34.5782	174.2737	61.4315
4407	98.9142	183.4034	28.3841	76.5220	20.5864
21238	98.8625	110.8422	41.3186	-25.5080	25.5893
22625	98.8625	288.1454	124.1975	64.9472	26.9144
20161	98.7590	283.5106	45.0052	35.6024	36.8795
16318	98.7590	194.4522	99.2263	39.8236	20.4925
21683	98.7073	187.7900	12.6924	48.5710	35.0644
18259	98.7073	383.5616	293.5490	93.0553	39.5025
23872	98.6556	555.1498	216.9557	52.3884	68.5290
12978	98.6556	329.5664	109.3731	77.0005	48.5301
10181	98.6556	604.7244	207.4892	125.0557	110.9162
2629	98.6039	164.3506	51.0557	20.7590	13.2840
18059	98.6039	259.6754	203.7536	28.0897	34.0609
16312	98.5522	269.9038	57.0820	66.9923	34.2802
567	98.5522	135.7288	56.5042	11.7060	36.0499
23871	98.5522	162.5520	44.4375	41.5533	21.0213
23869	98.5522	376.3680	133.3922	41.0667	56.3412
11113	98.5522	74.9128	5.2741	36.0679	19.5003
24431	98.5005	579.7786	203.5851	74.1401	65.8132
357	98.5005	111.4196	22.3553	25.1729	17.2240
18597	98.3454	410.7850	196.9638	93.4415	58.4374
17908	98.3454	247.8356	89.2240	43.3927	31.2296
356	98.3454	229.7986	49.0958	40.7630	43.8095
25730	98.3454	513.9482	88.0797	223.3287	70.4308
13930	98.2937	541.6812	170.7749	109.4264	59.3881
223	98.2937	178.8056	84.6612	12.7804	23.9861
16122	98.2937	201.4534	44.7091	64.5007	26.8626
23868	98.2420	1389.5956	403.1165	212.1732	214.4325
355	98.2420	116.8578	31.5423	9.6020	28.0037
923	98.2420	154.5252	82.8649	16.6897	16.1037
20169	98.2420	277.0936	95.7389	72.8978	72.7922
11483	98.1903	331.7654	63.7991	98.4505	41.2669
21663	98.1386	1165.2894	270.7719	378.5087	180.0980
804	98.1386	189.0236	66.4419	51.8934	27.6155
46	98.1386	313.5256	74.0148	120.9001	39.0253
20193	98.1386	57.2454	16.2227	12.5417	12.8705
5297	98.0869	636.1846	281.5152	204.1140	87.4082
20433	98.0352	184.8048	32.5754	65.0037	33.9370
5384	97.9835	384.9230	132.8474	41.3148	52.1603
15829	97.9835	422.2494	148.8760	49.0116	67.9183
15083	97.9835	171.2682	27.3645	67.0638	26.4706
354	97.9835	645.3834	325.2897	161.4268	73.4115
15708	97.9835	68.0462	26.7231	5.2693	17.7616
12797	97.9317	101.6880	13.3643	47.5052	17.5608
352	97.8800	192.5686	39.9891	60.2376	41.0027
23679	97.8283	86.3938	11.8022	37.7964	14.1923
15301	97.7766	572.5162	219.7328	98.3793	76.7665

TABLE 5P: EPINEPHRINE Timepoint(s): 3, 6 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
21239	97.7766	419.1316	103.8663	117.8727	59.5662
363	97.7249	105.5316	36.2308	44.6670	19.8781
21653	97.6732	269.1608	56.6963	115.9132	40.0318
3455	97.6732	281.7104	41.5154	138.5602	42.1055
1742	97.6732	118.7334	36.8921	32.6240	21.3836
1609	97.6215	1636.9828	249.3978	870.5481	286.6682
17765	97.6215	2256.6424	206.1313	1392.1893	281.3979
16123	97.6215	356.9620	118.1274	104.5867	44.3935
3454	97.6215	159.1384	24.8517	67.3493	29.6367
19086	97.5181	189.6412	55.5297	74.7669	27.1096
19	97.5181	509.6354	72.6219	322.9745	72.9912
15300	97.4664	940.0314	379.0212	241.4715	130.2713
16080	97.4664	103.3676	18.5126	16.6288	40.9284
22412	97.4147	213.8002	101.9986	92.0753	29.7683
18396	97.4147	142.5440	59.4536	42.1700	30.7788
17401	97.3630	1642.7358	584.4295	603.1921	226.6601
3404	97.3630	316.6988	21.2199	210.0892	45.2233
15082	97.3630	191.4824	43.5429	48.8199	46.6366
4133	97.3113	64.0094	4.7748	103.9881	20.9217
16025	97.3113	53.0716	4.6147	104.1006	29.2162
11940	97.3113	48.1170	6.9000	25.1038	8.4766
16074	97.3113	115.4958	11.8207	186.5315	30.3132
4318	97.1562	20.0936	9.9767	3.5640	4.5068
17589	97.0527	21.7392	1.4012	6.2329	8.9129
9815	97.0010	121.5864	6.2765	78.7610	20.0110
16081	96.8976	208.6630	38.2141	87.3138	66.7896
18713	96.7942	375.9924	80.3421	221.3549	52.5204
1581	96.6908	487.9414	68.3975	296.6913	60.0325
399	96.6391	21.2000	5.2149	8.9482	4.9132
1844	96.6391	210.7696	6.9139	161.9336	34.8342
21723	96.5874	58.5174	2.8000	99.0297	32.4967
1745	96.3806	67.6086	16.1516	27.6620	13.5013
1061	96.3806	17.0476	4.4648	73.7109	45.1607
16026	96.3806	73.2400	12.3368	158.9491	46.8871
22499	96.2771	50.3252	8.1201	20.7980	11.9808
24219	96.2771	500.8952	77.0303	295.5761	84.1890
5758	96.1737	1258.2172	121.1144	728.8533	206.4390
21120	96.1220	237.1964	12.0230	152.8194	43.9886
25279	96.1220	442.4454	35.8349	292.9163	67.1991
17764	95.7601	2977.1100	324.5606	1942.9901	394.5485
20625	95.6567	456.8968	51.0519	1082.0410	486.7048
19646	95.6567	39.9698	21.4456	149.1969	60.1966
15711	95.5533	179.5744	33.3786	89.3327	33.1025
16499	95.5533	-5.5418	21.9029	57.5645	33.5151
21147	95.5016	35.6852	3.2769	18.0286	11.2225
904	95.4498	32.7976	4.1948	64.3982	18.2465
3799	95.3464	649.1842	137.6624	381.4697	114.1595
15414	95.3464	-5.7218	12.5874	23.8691	11.5189
19031	99.4312	982.6658	120.6744	258.9055	111.5534
7751	98.9142	55.7776	3.6708	26.6190	11.5282
23567	98.8108	227.4204	26.5291	45.3472	63.3799
19184	98.7590	147.1298	47.5142	18.3058	24.0398

TABLE 5P: EPINEPHRINE Timepoint(s): 3, 6 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
12999	98.7073	1756.5374	138.6348	330.9860	292.2744
6054	98.7073	654.2018	295.6701	53.3184	92.2889
12979	98.7073	1116.3096	169.5989	312.8437	193.9163
2331	98.6556	2163.9720	213.8867	382.5205	338.0670
18350	98.6556	291.0254	8.7395	140.0944	60.6023
7516	98.6556	889.7998	438.7596	50.3085	173.9500
22667	98.6556	192.7286	17.4709	58.4133	40.2171
19012	98.5522	932.2302	108.1775	455.2176	113.5174
13633	98.5522	1017.1960	159.6258	340.8687	103.9756
14763	98.5005	515.9030	145.4453	24.0301	99.8684
22681	98.5005	719.6722	146.8975	300.2426	83.8714
13634	98.4488	1880.3100	310.7357	819.1229	207.2629
11873	98.4488	547.9730	130.6466	147.4777	115.1875
6532	98.4488	871.9112	84.2306	448.6074	126.2213
16124	98.4488	689.2324	105.9491	229.3567	89.4439
3808	98.4488	1608.7652	223.2933	559.1888	207.2589
22765	98.3971	141.9492	37.6784	22.5669	21.4713
16053	98.3971	395.9836	63.5918	117.6825	86.1723
16136	98.3971	331.5860	111.5788	109.1438	39.2430
8759	98.3454	459.3384	173.1906	35.6491	56.0602
14117	98.3454	568.3832	116.5057	1162.3826	221.7568
21579	98.3454	245.2786	54.3629	95.5227	33.1673
5675	98.3454	621.6554	119.1463	157.2537	135.2641
23314	98.2937	1539.4846	620.7748	80.2665	200.8598
17506	98.2937	169.7166	50.5107	51.4166	25.8106
19011	98.2420	1208.2564	183.0800	601.0513	123.8886
8053	98.1903	310.3878	22.4150	161.7129	45.3874
22958	98.1903	445.7316	55.1817	232.5878	63.3098
11088	98.1903	40.7278	11.0571	113.6213	33.6357
15212	98.1386	286.4968	137.2593	55.7180	36.3182
10182	98.1386	376.9936	167.7702	31.6820	100.4641
12969	98.1386	259.9774	9.3908	157.8627	44.2629
19075	98.1386	230.6110	57.9787	113.1016	25.6307
23626	98.1386	226.7950	99.5140	72.8989	32.6827
11021	98.0869	644.2628	48.0691	325.7648	108.0945
8314	98.0869	140.9914	51.7258	49.2117	24.8297
3817	98.0869	311.6976	25.8985	180.3736	60.3209
7471	98.0352	398.5200	92.0347	198.9423	49.9844
6217	97.9835	196.6190	114.6867	58.2228	22.1304
15051	97.9835	303.7946	68.2762	119.9003	108.7666
19723	97.9317	293.6122	49.7000	109.3153	54.2319
16314	97.9317	295.3764	66.9849	63.9732	47.2996

TABLE 5Q: Epinephrine--Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
21682	99.7415	170.2108	17.8746	-10.0941	54.1422
24716	99.3795	83.0638	44.2356	-7.6759	9.6679
2628	99.3795	101.2262	21.4093	9.7733	13.5113
4512	99.0176	100.1628	9.2839	23.0663	27.6873
1475	98.9659	2131.2934	1187.2397	99.1846	236.0731
18349	98.9142	419.5130	34.5782	174.2737	61.4315
4407	98.9142	183.4034	28.3841	76.5220	20.5864
21238	98.8625	110.8422	41.3186	-25.5080	25.5893
22625	98.8625	288.1454	124.1975	64.9472	26.9144
20161	98.7590	283.5106	45.0052	35.6024	36.8795
16318	98.7590	194.4522	99.2263	39.8236	20.4925
21683	98.7073	187.7900	12.6924	48.5710	35.0644
18259	98.7073	383.5616	293.5490	93.0553	39.5025
23872	98.6556	555.1498	216.9557	52.3884	68.5290
12978	98.6556	329.5664	109.3731	77.0005	48.5301
10181	98.6556	604.7244	207.4892	125.0557	110.9162
2629	98.6039	164.3506	51.0557	20.7590	13.2840
18059	98.6039	259.6754	203.7536	28.0897	34.0609
16312	98.5522	269.9038	57.0820	66.9923	34.2802
567	98.5522	135.7288	56.5042	11.7060	36.0499
23871	98.5522	162.5520	44.4375	41.5533	21.0213
23869	98.5522	376.3680	133.3922	41.0667	56.3412
11113	98.5522	74.9128	5.2741	36.0679	19.5003
24431	98.5005	579.7786	203.5851	74.1401	65.8132
357	98.5005	111.4196	22.3553	25.1729	17.2240
21654	98.3454	551.3256	137.5534	203.2898	71.3742
18597	98.3454	410.7850	196.9638	93.4415	58.4374
17908	98.3454	247.8356	89.2240	43.3927	31.2296
356	98.3454	229.7986	49.0958	40.7630	43.8095
25730	98.3454	513.9482	88.0797	223.3287	70.4308
13930	98.2937	541.6812	170.7749	109.4264	59.3881
223	98.2937	178.8056	84.6612	12.7804	23.9861
16122	98.2937	201.4534	44.7091	64.5007	26.8626
23868	98.2420	1389.5956	403.1165	212.1732	214.4325
355	98.2420	116.8578	31.5423	9.6020	28.0037
923	98.2420	154.5252	82.8649	16.6897	16.1037
20169	98.2420	277.0936	95.7389	72.8978	72.7922
11483	98.1903	331.7654	63.7991	98.4505	41.2669
21663	98.1386	1165.2894	270.7719	378.5087	180.0980
804	98.1386	189.0236	66.4419	51.8934	27.6155
46	98.1386	313.5256	74.0148	120.9001	39.0253
20193	98.1386	57.2454	16.2227	12.5417	12.8705
5297	98.0869	636.1846	281.5152	204.1140	87.4082
20433	98.0352	184.8048	32.5754	65.0037	33.9370
5384	97.9835	384.9230	132.8474	41.3148	52.1603
15829	97.9835	422.2494	148.8760	49.0116	67.9183
353	97.9835	484.9402	257.6271	115.1804	63.5617
15083	97.9835	171.2682	27.3645	67.0638	26.4706
354	97.9835	645.3834	325.2897	161.4268	73.4115
15708	97.9835	68.0462	26.7231	5.2693	17.7616
12797	97.9317	101.6880	13.3643	47.5052	17.5608
352	97.8800	192.5686	39.9891	60.2376	41.0027

TABLE 5Q: Epinephrine--Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23679	97.8283	86.3938	11.8022	37.7964	14.1923
15301	97.7766	572.5162	219.7328	98.3793	76.7665
21239	97.7766	419.1316	103.8663	117.8727	59.5662
363	97.7249	105.5316	36.2308	44.6670	19.8781
17734	97.6732	3246.6368	927.5498	1040.2773	478.8499
17736	97.6732	2289.5822	894.5995	615.9135	340.7204
21653	97.6732	269.1608	56.6963	115.9132	40.0318
3455	97.6732	281.7104	41.5154	138.5602	42.1055
1742	97.6732	118.7334	36.8921	32.6240	21.3836
1609	97.6215	1636.9828	249.3978	870.5481	286.6682
17765	97.6215	2256.6424	206.1313	1392.1893	281.3979
16123	97.6215	356.9620	118.1274	104.5867	44.3935
3454	97.6215	159.1384	24.8517	67.3493	29.6367
20461	97.6215	39.3302	3.5153	86.2453	45.3078
11531	97.5698	1657.1368	674.6719	404.1289	281.1648
19086	97.5181	189.6412	55.5297	74.7669	27.1096
19	97.5181	509.6354	72.6219	322.9745	72.9912
11530	97.4664	1141.9942	494.4777	207.2001	158.9626
15300	97.4664	940.0314	379.0212	241.4715	130.2713
16080	97.4664	103.3676	18.5126	16.6288	40.9284
22412	97.4147	213.8002	101.9986	92.0753	29.7683
18396	97.4147	142.5440	59.4536	42.1700	30.7788
17401	97.3630	1642.7358	584.4295	603.1921	226.6601
3404	97.3630	316.6988	21.2199	210.0892	45.2233
15082	97.3630	191.4824	43.5429	48.8199	46.6366
4133	97.3113	64.0094	4.7748	103.9881	20.9217
16025	97.3113	53.0716	4.6147	104.1006	29.2162
11940	97.3113	48.1170	6.9000	25.1038	8.4766
16074	97.3113	115.4958	11.8207	186.5315	30.3132
19710	97.2596	132.0752	32.6093	48.2437	22.2772
4318	97.1562	20.0936	9.9767	3.5640	4.5068
17589	97.0527	21.7392	1.4012	6.2329	8.9129
9815	97.0010	121.5864	6.2765	78.7610	20.0110
16081	96.8976	208.6630	38.2141	87.3138	66.7896
18713	96.7942	375.9924	80.3421	221.3549	52.5204
1581	96.6908	487.9414	68.3975	296.6913	60.0325
399	96.6391	21.2000	5.2149	8.9482	4.9132
1844	96.6391	210.7696	6.9139	161.9336	34.8342
21723	96.5874	58.5174	2.8000	99.0297	32.4967
1745	96.3806	67.6086	16.1516	27.6620	13.5013
1061	96.3806	17.0476	4.4648	73.7109	45.1607
16026	96.3806	73.2400	12.3368	158.9491	46.8871
22499	96.2771	50.3252	8.1201	20.7980	11.9808
24219	96.2771	500.8952	77.0303	295.5761	84.1890
5758	96.1737	1258.2172	121.1144	728.8533	206.4390
21120	96.1220	237.1964	12.0230	152.8194	43.9886
25279	96.1220	442.4454	35.8349	292.9163	67.1991
10071	95.9669	534.8884	105.5033	264.8235	107.4576
19031	99.4312	982.6658	120.6744	258.9055	111.5534
7751	98.9142	55.7776	3.6708	26.6190	11.5282
23567	98.8108	227.4204	26.5291	45.3472	63.3799
19184	98.7590	147.1298	47.5142	18.3058	24.0398

TABLE 5Q: Epinephrine--Core Tox Markers
Timepoint(s): 3, 6 hrs

Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
12999	98.7073	1756.5374	138.6348	330.9860	292.2744
6054	98.7073	654.2018	295.6701	53.3184	92.2889
12979	98.7073	1116.3096	169.5989	312.8437	193.9163
2331	98.6556	2163.9720	213.8867	382.5205	338.0670
18350	98.6556	291.0254	8.7395	140.0944	60.6023
7516	98.6556	889.7998	438.7596	50.3085	173.9500
22667	98.6556	192.7286	17.4709	58.4133	40.2171
19012	98.5522	932.2302	108.1775	455.2176	113.5174
13633	98.5522	1017.1960	159.6258	340.8687	103.9756
22605	98.5005	298.9122	86.8134	46.8640	36.5321
14763	98.5005	515.9030	145.4453	24.0301	99.8684
22681	98.5005	719.6722	146.8975	300.2426	83.8714
13634	98.4488	1880.3100	310.7357	819.1229	207.2629
11873	98.4488	547.9730	130.6466	147.4777	115.1875
6532	98.4488	871.9112	84.2306	448.6074	126.2213
16124	98.4488	689.2324	105.9491	229.3567	89.4439
3808	98.4488	1608.7652	223.2933	559.1888	207.2589
22765	98.3971	141.9492	37.6784	22.5669	21.4713
16053	98.3971	395.9836	63.5918	117.6825	86.1723
16136	98.3971	331.5860	111.5788	109.1438	39.2430
8759	98.3454	459.3384	173.1906	35.6491	56.0602
14117	98.3454	568.3832	116.5057	1162.3826	221.7568
21579	98.3454	245.2786	54.3629	95.5227	33.1673
5675	98.3454	621.6554	119.1463	157.2537	135.2641
12695	98.2937	104.4010	32.7881	1.3002	31.2192
23314	98.2937	1539.4846	620.7748	80.2665	200.8598
17506	98.2937	169.7166	50.5107	51.4166	25.8106
19011	98.2420	1208.2564	183.0800	601.0513	123.8886
8053	98.1903	310.3878	22.4150	161.7129	45.3874
22958	98.1903	445.7316	55.1817	232.5878	63.3098
11088	98.1903	40.7278	11.0571	113.6213	33.6357
15212	98.1386	286.4968	137.2593	55.7180	36.3182
10182	98.1386	376.9936	167.7702	31.6820	100.4641
12969	98.1386	259.9774	9.3908	157.8627	44.2629
19075	98.1386	230.6110	57.9787	113.1016	25.6307
6585	98.1386	2421.0914	359.2627	736.8839	413.8339
2459	98.1386	1898.8080	723.9863	121.3918	267.6246
23626	98.1386	226.7950	99.5140	72.8989	32.6827
11021	98.0869	644.2628	48.0691	325.7648	108.0945
8314	98.0869	140.9914	51.7258	49.2117	24.8297
3817	98.0869	311.6976	25.8985	180.3736	60.3209
7471	98.0352	398.5200	92.0347	198.9423	49.9844
6217	97.9835	196.6190	114.6867	58.2228	22.1304
15051	97.9835	303.7946	68.2762	119.9003	108.7666
19723	97.9317	293.6122	49.7000	109.3153	54.2319
16314	97.9317	295.3764	66.9849	63.9732	47.2996

TABLE 5R: EPIRUBICIN Timepoint(s): 6, 192 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
20065	93.6486	64.5336	15.5144	28.3182	29.0093
22773	92.3077	284.2659	40.2072	459.7835	112.4690
23491	90.0208	64.4093	19.8092	116.5459	34.5374
10540	89.9584	79.6845	31.1727	22.9667	23.9684
2143	88.4615	205.6064	19.3914	261.7126	54.9187
3910	87.9418	117.9722	6.1754	145.6334	35.4866
15884	87.8274	428.9210	71.0840	724.7975	186.7630
2324	87.7859	100.4435	5.4519	81.7793	29.3883
8599	87.2557	161.8975	28.0984	100.2554	36.8683
15638	87.1622	563.8050	83.5590	932.5900	306.9782
3244	87.1622	194.1251	7.6588	175.9356	33.8489
9528	87.0062	39.5442	1.7304	38.7435	25.0338
20092	86.6944	37.2246	5.1645	34.0494	18.0370
20902	86.6424	136.3531	6.7880	158.2420	30.0573
2133	86.5385	46.9168	4.5796	34.4053	13.4303
15623	86.3306	245.5920	54.3446	418.3828	140.4630
634	86.2578	233.1804	64.6370	95.2150	54.3206
23569	86.0707	150.4479	7.7162	126.2006	23.9627
17764	86.0603	2515.6902	214.7747	1942.4118	398.2909
18654	86.0083	104.5548	44.7109	218.9800	64.6883
1016	85.9667	130.3715	17.5267	94.4053	45.5947
18031	85.9148	331.9946	28.2218	387.7143	97.9114
23033	85.9148	382.1855	34.8056	526.8407	135.4403
18957	85.8524	1133.3488	53.5900	910.3338	163.5995
20518	85.8108	184.9967	10.9456	226.6997	41.2712
635	85.3222	173.9367	53.8127	93.8402	42.0856
25619	85.2807	737.8122	95.7001	572.0521	115.1693
25525	85.2703	185.5478	54.7659	78.6183	46.6012
20601	85.1351	60.9161	6.8553	83.8053	29.2937
20876	85.1247	1477.8560	94.3479	1188.7541	225.8488
25237	85.0312	36.8579	15.2615	80.7048	36.1521
25066	84.7713	236.0595	50.3392	163.9011	83.2976
187	84.7609	138.2698	29.4137	54.9629	47.4598
10888	84.7609	63.2809	6.7913	52.5103	31.2517
1291	84.7089	349.3815	44.9135	256.0730	55.9576
17936	84.3971	42.1342	7.8386	28.8558	10.6646
16607	84.3555	161.5580	11.0476	140.6459	36.4500
17868	84.3035	91.0739	16.4840	137.3277	44.9267
409	84.2516	53.9426	2.9469	62.5564	12.5587
20972	84.1892	685.9562	126.8069	1004.5982	223.9314
17379	84.0333	566.0024	52.1466	437.6768	98.7187
2012	84.0333	51.4565	7.7452	73.9695	17.2172
1827	83.9397	24.3368	15.2526	75.2777	47.8439
20762	83.8877	73.8346	9.2642	91.5686	17.0952
25445	83.8877	33.1559	6.2801	33.1519	27.0709
24874	83.8358	36.3819	4.0736	38.2723	18.4138
25569	83.7318	51.7451	9.8328	34.5213	17.6905
25070	83.7214	210.4100	28.7273	159.6915	36.5691
18061	83.6694	159.2217	21.0681	115.9734	32.9274
16081	83.6590	145.6088	47.3785	87.3385	67.1593
18967	83.6071	393.5761	85.9385	203.7180	105.0874
20960	83.5655	691.0195	61.2470	520.7054	116.1343

TABLE 5R: EPIRUBICIN Timepoint(s): 6, 192 hrs			Atty. Ref. 44921-5090-01-WO/2105485		
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
17765	83.5135	1741.1042	178.9719	1393.0553	286.5207
20959	83.5135	306.9811	36.5119	218.9331	62.0721
16219	83.4719	484.5323	119.0956	789.5112	258.3472
16099	83.4200	374.8630	21.6957	430.6596	62.5971
21239	83.3992	221.4428	46.3566	118.3619	62.8627
25618	83.3576	777.8311	87.4808	624.9041	128.5676
14542	83.2640	30.6546	6.1426	21.3064	17.0990
15875	83.1081	1422.4221	65.2450	1569.9365	300.7935
15849	83.0977	497.5558	92.3428	271.6573	141.4369
18057	83.0977	25.4141	2.6996	20.2121	9.4747
9391	83.0561	2201.7503	129.6568	2047.1440	419.5544
11202	83.0457	69.4587	10.5124	47.7518	15.8933
4402	82.9938	267.3028	36.0275	194.1380	60.3745
20619	82.9938	4.0962	6.6296	22.2013	13.2651
22783	82.9522	609.1080	69.8339	472.5891	166.6911
1824	82.9002	87.3108	10.0804	112.6497	25.9379
9541	82.8378	555.4538	91.6877	402.8147	108.5197
18729	82.7963	14.1671	11.8544	42.3843	27.7798
1338	82.7339	51.0268	15.7818	26.4355	18.1819
18317	82.7339	1103.1219	189.3486	630.0896	288.1701
2577	82.6299	163.8201	10.2165	127.8969	39.1821
19505	82.5780	29.6876	6.2768	49.9631	16.3707
13731	82.5260	137.1868	20.1514	192.5144	41.4634
25104	82.5260	293.0527	38.8201	173.1177	90.2175
623	82.4844	110.7857	25.1048	165.3757	60.2912
2735	82.4740	28.9793	6.0732	18.2200	15.8770
10743	82.4324	127.0427	17.4009	164.5138	43.0218
15886	82.3701	283.3204	46.2343	407.5226	96.1521
16084	82.3285	23.4277	5.1613	34.5399	14.6850
338	82.3285	9.6305	10.6024	41.6928	35.9824
15864	82.2765	42.2848	9.5215	64.2521	21.7497
5358	82.2765	30.1691	9.1089	52.8179	32.3491
20161	82.2557	72.3282	30.7027	36.5091	40.8862
16675	82.2245	6.4648	9.8542	23.9162	17.4864
20509	82.2245	41.7443	3.8443	35.8325	15.1488
24234	82.2141	110.0508	21.1288	77.0101	32.6692
15037	82.2141	158.7025	43.1588	251.0986	68.6957
17960	82.1726	115.5419	19.4553	135.9037	33.8947
15412	82.0478	72.9889	28.1407	38.9881	25.5078
12253	82.0166	17.9676	4.2628	23.8982	22.7983
25854	81.9127	35.6123	7.9702	50.3945	16.5373
7395	81.9127	3223.9060	176.7481	3550.2689	741.6043
1295	81.9023	49.4074	14.2289	75.3296	19.2455
24033	81.9023	99.2837	18.7151	146.7463	37.6711
15640	81.8087	96.0308	14.7136	142.3732	61.0904
1596	81.7464	84.1073	5.6887	102.3077	17.1709
15829	81.7256	178.6291	111.9201	49.6041	71.8434
19388	81.7048	47.1590	13.9443	30.9755	45.9566
23152	95.8940	1335.9175	118.1675	867.9193	203.9039
3584	94.7505	14.2293	5.4921	60.6882	32.4469
21713	93.2952	582.7896	69.9045	872.7586	176.6252
15538	93.1393	536.0414	54.6891	365.6804	104.8045

TABLE 5R: EPIRUBICIN
Timepoint(s): 6, 192 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
21229	93.0353	62.9916	11.0545	27.1504	18.6457
2803	92.4116	97.1603	21.4838	176.3510	50.7559
4782	92.2037	108.8619	15.8476	183.7873	47.7795
23437	91.7879	236.7137	41.3343	139.6025	71.4791
11173	91.5281	243.0114	58.0247	535.3317	167.9921
14582	91.2682	127.6744	21.5199	224.2760	70.2202
10115	91.2682	29.6057	13.6555	90.3885	44.5235
5982	90.9563	330.2865	56.5047	504.3480	103.6195
24220	90.8004	75.6789	14.2419	48.9576	26.7107
23608	90.8004	504.9734	53.1811	370.6369	85.3745
17761	90.3326	628.0054	52.1838	454.0933	117.2960
22431	90.1767	43.1080	22.9255	110.5954	42.0717
4445	89.2412	496.0604	33.5495	649.1682	124.3616
11399	89.0852	86.8469	15.6233	155.1791	51.7814
6121	88.9293	21.1135	4.1346	11.2633	8.4403
18438	88.9293	634.1819	51.5064	470.5666	122.5918
4285	88.6071	187.1363	42.6328	304.2508	62.9055
22451	88.5551	69.9633	16.1178	151.1270	54.6803
11585	88.5135	428.5571	54.5189	583.7686	113.3086
18890	88.5135	622.3692	39.7606	834.6452	207.6526
562	88.4615	351.8821	19.9393	443.1682	93.7766
2195	88.3992	37.4029	12.5528	12.5809	11.0479
11413	88.1497	41.8912	13.2820	116.6002	69.4703
6974	88.0457	465.5023	57.8721	672.4599	169.8077
10918	88.0353	249.3467	44.9415	394.0465	82.6490
10549	88.0249	76.7015	27.5227	25.7768	13.2437
18162	87.9938	672.9671	157.9230	1379.7346	622.7619
22899	87.8794	99.8766	31.4158	44.2337	33.3480
2607	87.8378	210.1685	36.9080	309.7591	77.6187
16124	87.7235	349.2498	69.2475	230.5006	94.8320
4330	87.5260	291.9245	58.6099	457.8991	140.3640
15959	87.5156	166.1477	35.3812	284.1650	68.3560
3650	87.2141	27.5894	7.3449	47.3570	16.8362
2146	87.1102	112.9026	7.9507	83.1270	69.9111
9668	87.0374	294.4770	103.1179	104.9414	48.2427
13977	86.9543	324.9940	47.9945	473.8557	139.7205
5482	86.7879	131.7752	46.1137	262.4037	74.2493
22691	86.6944	610.5659	137.7533	925.4717	241.2703
17223	86.6840	1740.5481	162.7909	1385.7345	197.6986
11550	86.5800	53.8907	15.8747	24.7288	17.1509
8004	86.4865	51.9950	8.1689	33.3889	24.2458
26254	86.4345	62.2933	6.7403	43.5870	16.5093
24229	86.3306	40.4595	25.6329	102.7587	67.3230
19480	86.3202	1082.1691	173.5370	1683.1091	376.5196
8036	86.3098	134.7036	31.9390	73.2170	22.4198
9746	86.2786	152.0881	23.8073	109.2433	62.9276
23313	86.1642	193.6157	31.1318	300.9419	73.0184
6691	86.1227	96.9943	24.9702	158.1074	51.5964
2708	86.1227	523.6743	46.8008	660.4570	128.0638
11017	86.0707	44.1708	21.1458	104.5216	47.2598
14430	86.0707	-4.2543	7.5839	23.7641	26.1542
2422	86.0707	131.8345	17.6804	191.8780	69.0197

TABLE 5R: EPIRUBICIN		Atty. Ref. 44921-5090-01-WO/2105485						
Timepoint(s): 6, 192 hrs			GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
		665	86.0187	655.9712	54.2070	561.4934	112.5356	
		5070	85.9667	85.7730	10.6372	52.6396	36.2695	
		22711	85.9148	180.0290	22.1305	230.2369	47.3605	
		6522	85.9044	450.1290	145.1702	835.3920	230.1413	
		6502	85.8628	159.2748	22.1170	232.6916	70.0673	
		17243	85.8628	207.4676	55.0211	347.7619	112.2982	
		6166	85.8524	165.8695	54.9624	322.5498	92.7068	
		7528	85.7588	95.4966	8.9508	63.3362	27.7343	
		7740	85.6965	416.2965	59.9352	299.4983	66.7080	
		3996	85.6445	87.6525	14.7965	59.6366	16.0125	
		13453	85.5509	201.6490	33.7731	300.0235	81.7371	
		4716	85.5405	170.1268	17.6057	125.1288	30.6648	
		21755	85.4990	438.1096	78.0876	628.7300	162.3387	
		4907	85.4990	136.2406	13.5281	173.5136	37.6766	
		22536	85.3950	710.5183	98.6998	1051.4300	301.1097	
		13181	85.3846	43.2573	10.9705	19.9964	14.0652	
		18439	85.3846	356.3238	37.3752	258.2394	67.8627	
		11445	85.3846	157.7293	42.6245	285.6630	83.7123	

TABLE 5S: HYDRALAZINE Timepoint(s): 6 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15087	98.7590	156.8356	5.1580	247.9661	48.5522
1884	98.1903	212.7678	15.4227	146.8696	33.4932
17336	97.7766	38.8984	6.0547	15.5544	7.6289
13339	97.1562	621.0880	36.3859	418.4784	87.1565
10544	97.0527	579.5536	26.8199	430.2195	65.2285
25964	96.8976	10.3804	1.5050	30.7610	28.7726
10248	96.8459	560.9118	75.9608	306.7008	83.5683
20801	96.8459	124.0848	9.9768	78.3221	18.5023
17959	96.6908	196.1464	32.6060	103.5609	35.1979
1316	96.3806	194.5946	3.0724	220.5001	67.6819
15253	96.1737	213.1780	15.3416	108.2212	47.0196
21065	95.9152	64.0334	6.5672	32.7124	16.7123
21170	95.7084	23.4838	3.1293	4.4235	16.1799
4748	95.5016	80.0904	8.0144	44.1474	44.7732
15494	95.2430	30.1844	11.4627	1.2506	13.1609
8385	95.1913	65.6368	3.4862	120.7273	53.3853
22149	95.1913	102.1954	21.5573	44.6483	21.6509
19022	95.1913	166.9424	17.2286	106.2918	27.3335
1570	95.1913	188.7068	22.2973	128.2530	34.5486
4391	95.1913	964.1682	28.6948	748.8637	167.1622
692	95.1396	226.4920	31.5708	136.7682	35.6521
1048	94.9845	34.4978	1.3618	32.2165	23.4399
5758	94.8811	1126.7468	67.5204	729.5331	208.0611
5618	94.8811	20.6124	0.6174	16.1073	12.4939
18713	94.7777	337.1688	47.9403	221.5557	53.1969
25741	94.7777	316.6112	28.7189	204.9095	55.1017
23042	94.7777	168.7624	7.8811	106.7368	46.2615
25435	94.7260	4.4656	4.8069	40.9287	21.5174
13359	94.6743	67.3408	14.1570	20.7383	20.7125
17868	94.6743	223.1472	24.4925	136.4057	44.6227
23344	94.5191	312.8444	8.5720	258.7436	47.1229
17326	94.4674	103.0512	25.6833	42.3484	24.4297
15510	94.4157	193.4632	17.2712	281.2604	54.4386
1943	94.3640	106.5466	18.1488	62.4307	19.5604
15560	94.3640	19.8352	2.6627	38.4841	17.5475
23061	94.3123	50.6234	0.7799	56.6232	17.4678
1521	94.2606	133.3518	17.4480	68.3514	34.5064
18190	94.2606	104.4614	3.4337	142.4649	35.8774
1921	94.2089	130.4758	22.4579	81.5571	23.6977
23310	94.1572	121.0986	7.7792	79.1103	28.4253
945	93.9504	34.0030	9.4963	-12.4155	31.0088
18946	93.7435	30.7076	3.0945	13.8638	10.5136
24106	93.6401	48.1790	5.6697	27.1419	10.6941
21656	93.6401	20.8806	2.4819	39.6907	13.3864
18957	93.5367	785.0618	16.6500	913.2878	164.5502
23892	93.4850	63.0390	7.1285	43.9236	10.1395
20762	93.4333	69.1156	3.7502	91.5013	17.0914
15446	93.3816	425.6222	30.8100	303.8692	72.8527
18209	93.3299	123.0876	5.5037	88.5967	32.0752
22385	93.2782	234.0026	17.9207	148.7964	70.9091
18820	93.2265	88.4046	3.8870	94.9261	46.6153
17589	93.1748	23.0494	6.7302	6.2261	8.8905

TABLE 5S: HYDRALAZINE
Timepoint(s): 6 hrs

Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
16601	93.1748	14.8828	1.2193	27.1258	12.9479
1928	93.0714	612.9376	10.0815	573.3866	132.1135
17957	93.0196	100.3830	12.8643	66.2742	17.5071
14066	92.9679	82.6706	2.6372	111.0196	31.3767
436	92.8645	91.0144	12.4145	58.2971	17.2789
16955	92.8645	351.1696	24.0086	534.1851	180.8971
727	92.8128	250.8246	5.8409	222.3852	33.1218
25711	92.7611	60.4372	5.8554	27.9624	21.9218
18043	92.7094	100.0874	16.5917	62.8439	21.7182
11152	92.6060	336.3804	36.5219	214.4555	89.4738
24283	92.5543	56.7636	4.8815	84.0133	26.7697
12848	92.4509	46.4060	9.3354	26.6783	13.1691
3900	92.4509	30.1638	6.7989	8.1642	13.2507
22407	92.3992	145.0898	36.4334	262.9633	69.4955
16342	92.3992	56.6232	6.2416	34.9010	12.4906
20714	92.3992	36.3614	2.6050	7.0023	32.3092
482	92.3475	41.2860	4.8405	109.9989	77.8782
25257	92.3475	103.9680	11.1885	70.6630	18.2516
20921	92.3475	89.1870	13.7751	49.6330	23.9242
17658	92.3475	20.4468	3.4186	41.4294	20.5741
20083	92.3475	13.0912	3.5158	40.5189	21.6018
3762	92.3475	60.4542	2.8419	42.2743	16.7555
1581	92.3475	381.3852	18.7110	297.2422	61.4305
23950	92.2958	81.2448	11.7875	58.9087	13.0678
17158	92.2958	692.2852	19.4813	744.8099	211.2131
16026	92.2441	237.9962	30.8417	158.0972	46.9047
21104	92.1923	175.6340	9.9545	126.3519	35.6131
20741	92.0889	195.6502	31.8691	123.0799	39.9077
19749	92.0889	62.3318	4.5405	42.0015	13.4042
11454	92.0889	258.2222	10.1641	210.0320	63.8915
5033	92.0889	758.2678	14.0368	683.2052	151.6138
11843	91.9855	89.5282	3.4154	73.9656	16.4826
21103	91.9338	382.6494	64.5228	269.4251	66.5565
25543	91.9338	35.7336	1.2476	40.1607	16.7910
20246	91.7787	27.9992	6.3133	46.1156	22.2777
11959	91.7270	37.8310	5.1631	65.3994	19.8840
13595	91.6236	124.2288	5.6409	96.4356	18.2726
25276	91.6236	-19.5760	13.2759	95.0678	96.0023
11455	91.6236	127.6180	11.4570	85.5654	31.9573
1920	91.5719	329.6462	22.8902	255.1135	63.6334
3929	91.5202	0.8188	6.1616	21.7883	12.2968
16663	91.5202	28.6692	1.1725	23.2420	10.2207
21905	91.4685	83.4162	1.6888	94.6712	16.8457
11709	91.4685	251.7840	16.1910	167.6742	56.0592
5257	91.4685	109.8050	7.3292	74.9256	23.9694
15980	91.4168	108.6496	9.3997	76.9870	21.0493
517	91.4168	63.0800	8.9266	102.9841	33.5337
1024	91.3650	30.9232	1.2299	44.3473	19.0074
8124	98.8625	95.3660	7.7097	40.2143	17.6130
15988	98.2937	558.6684	65.8687	241.6226	86.0058
14904	98.1903	112.3884	1.2288	83.6469	20.3510
19271	97.7766	513.5628	37.1821	301.9994	73.4440

TABLE 5S: HYDRALAZINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23015	97.6215	153.2294	30.5337	77.7618	21.7425
5007	97.5181	1227.9742	164.0440	736.2918	160.4563
23471	97.3113	189.1040	51.5207	77.4026	35.9134
12398	97.3113	399.6760	9.1169	280.6130	66.7741
6828	97.1562	671.4382	59.8131	327.2167	123.5972
17236	97.0010	778.2720	64.5047	428.0899	134.2179
26075	97.0010	924.5460	22.1006	1301.2541	323.3296
14342	96.7425	59.0536	1.1919	83.3173	28.1826
2788	96.6908	243.0384	1.5378	223.5537	41.0819
23673	96.6908	209.5468	7.9002	360.8423	128.9266
21311	96.5874	252.0194	18.5667	173.1230	35.7047
22677	96.5874	426.8144	74.5008	154.5159	88.3326
3979	96.5874	116.0628	24.6605	49.4074	22.1134
19082	96.4840	289.2080	11.0645	223.3971	34.5298
6888	96.4323	1068.6526	93.9476	691.3709	176.1165
3953	96.3806	201.1584	13.2141	118.9865	36.8447
5953	96.3289	169.6634	17.2572	290.3810	71.8326
8303	96.3289	92.3654	8.0782	50.7243	18.0310
21973	96.3289	94.0224	1.4839	84.8166	31.2021
2687	96.2771	62.2784	2.6128	100.0773	25.5429
2042	96.1737	320.1662	58.4861	142.4172	69.3252
23998	96.1220	83.0044	19.9299	37.4956	13.9322

TABLE 5T: Hydralazine--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
3601	99.2761	143.3200	14.3187	61.9043	21.6682
13083	98.8625	49.1638	8.2301	9.7738	8.8766
15087	98.7590	156.8356	5.1580	247.9661	48.5522
20735	98.7073	261.2344	24.8554	101.7244	47.4726
25567	98.6556	230.1810	33.0818	67.0123	33.9517
20734	98.3454	247.5826	38.2069	94.2223	46.8991
1884	98.1903	212.7678	15.4227	146.8696	33.4932
3430	98.1386	189.1080	13.1173	107.6670	28.9271
17336	97.7766	38.8984	6.0547	15.5544	7.6289
19894	97.7249	446.0524	124.8880	189.3509	64.3562
13339	97.1562	621.0880	36.3859	418.4784	87.1565
10544	97.0527	579.5536	26.8199	430.2195	65.2285
25964	96.8976	10.3804	1.5050	30.7610	28.7726
10248	96.8459	560.9118	75.9608	306.7008	83.5683
20801	96.8459	124.0848	9.9768	78.3221	18.5023
1571	96.8459	290.1124	33.2546	172.0863	53.6339
17959	96.6908	196.1464	32.6060	103.5609	35.1979
25379	96.6391	314.9680	26.0216	190.4498	49.6170
22411	96.6391	183.1822	16.2164	92.2423	37.2974
1316	96.3806	194.5946	3.0724	220.5001	67.6819
4749	96.3289	273.3598	7.2158	198.2721	80.4716
23419	96.2771	347.5576	37.7552	207.3125	56.4910
15253	96.1737	213.1780	15.3416	108.2212	47.0196
20740	95.9152	780.8648	98.8353	449.8457	143.1811
21065	95.9152	64.0334	6.5672	32.7124	16.7123
21170	95.7084	23.4838	3.1293	4.4235	16.1799
18897	95.6567	66.4808	4.7508	159.2470	64.7550
4748	95.5016	80.0904	8.0144	44.1474	44.7732
15494	95.2430	30.1844	11.4627	1.2506	13.1609
8385	95.1913	65.6368	3.4862	120.7273	53.3853
22149	95.1913	102.1954	21.5573	44.6483	21.6509
19022	95.1913	166.9424	17.2286	106.2918	27.3335
1570	95.1913	188.7068	22.2973	128.2530	34.5486
4391	95.1913	964.1682	28.6948	748.8637	167.1622
692	95.1396	226.4920	31.5708	136.7682	35.6521
1048	94.9845	34.4978	1.3618	32.2165	23.4399
5758	94.8811	1126.7468	67.5204	729.5331	208.0611
5618	94.8811	20.6124	0.6174	16.1073	12.4939
18713	94.7777	337.1688	47.9403	221.5557	53.1969
25741	94.7777	316.6112	28.7189	204.9095	55.1017
23042	94.7777	168.7624	7.8811	106.7368	46.2615
25435	94.7260	4.4656	4.8069	40.9287	21.5174
13359	94.6743	67.3408	14.1570	20.7383	20.7125
17868	94.6743	223.1472	24.4925	136.4057	44.6227
1031	94.6225	110.6578	6.0793	73.9500	19.1861
17468	94.6225	41.4512	2.5169	59.0650	10.9062
23344	94.5191	312.8444	8.5720	258.7436	47.1229
17326	94.4674	103.0512	25.6833	42.3484	24.4297
15510	94.4157	193.4632	17.2712	281.2604	54.4386
1943	94.3640	106.5466	18.1488	62.4307	19.5604
15560	94.3640	19.8352	2.6627	38.4841	17.5475
23061	94.3123	50.6234	0.7799	56.6232	17.4678

TABLE 5T: Hydralazine--Core Tox Markers Atty./Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1521	94.2606	133.3518	17.4480	68.3514	34.5064
18190	94.2606	104.4614	3.4337	142.4649	35.8774
13420	94.2089	643.8456	55.5188	449.4092	100.5780
1921	94.2089	130.4758	22.4579	81.5571	23.6977
23310	94.1572	121.0986	7.7792	79.1103	28.4253
945	93.9504	34.0030	9.4963	-12.4155	31.0088
18946	93.7435	30.7076	3.0945	13.8638	10.5136
24106	93.6401	48.1790	5.6697	27.1419	10.6941
21656	93.6401	20.8806	2.4819	39.6907	13.3864
18957	93.5367	785.0618	16.6500	913.2878	164.5502
23892	93.4850	63.0390	7.1285	43.9236	10.1395
20762	93.4333	69.1156	3.7502	91.5013	17.0914
15446	93.3816	425.6222	30.8100	303.8692	72.8527
18209	93.3299	123.0876	5.5037	88.5967	32.0752
22385	93.2782	234.0026	17.9207	148.7964	70.9091
18820	93.2265	88.4046	3.8870	94.9261	46.6153
17589	93.1748	23.0494	6.7302	6.2261	8.8905
16601	93.1748	14.8828	1.2193	27.1258	12.9479
1928	93.0714	612.9376	10.0815	573.3866	132.1135
17957	93.0196	100.3830	12.8643	66.2742	17.5071
14066	92.9679	82.6706	2.6372	111.0196	31.3767
436	92.8645	91.0144	12.4145	58.2971	17.2789
16955	92.8645	351.1696	24.0086	534.1851	180.8971
727	92.8128	250.8246	5.8409	222.3852	33.1218
25711	92.7611	60.4372	5.8554	27.9624	21.9218
18043	92.7094	100.0874	16.5917	62.8439	21.7182
11152	92.6060	336.3804	36.5219	214.4555	89.4738
24283	92.5543	56.7636	4.8815	84.0133	26.7697
12848	92.4509	46.4060	9.3354	26.6783	13.1691
3900	92.4509	30.1638	6.7989	8.1642	13.2507
22407	92.3992	145.0898	36.4334	262.9633	69.4955
16342	92.3992	56.6232	6.2416	34.9010	12.4906
20714	92.3992	36.3614	2.6050	7.0023	32.3092
482	92.3475	41.2860	4.8405	109.9989	77.8782
25257	92.3475	103.9680	11.1885	70.6630	18.2516
20921	92.3475	89.1870	13.7751	49.6330	23.9242
17658	92.3475	20.4468	3.4186	41.4294	20.5741
20083	92.3475	13.0912	3.5158	40.5189	21.6018
3762	92.3475	60.4542	2.8419	42.2743	16.7555
1581	92.3475	381.3852	18.7110	297.2422	61.4305
23950	92.2958	81.2448	11.7875	58.9087	13.0678
17158	92.2958	692.2852	19.4813	744.8099	211.2131
16026	92.2441	237.9962	30.8417	158.0972	46.9047
21104	92.1923	175.6340	9.9545	126.3519	35.6131
20741	92.0889	195.6502	31.8691	123.0799	39.9077
19749	92.0889	62.3318	4.5405	42.0015	13.4042
11454	92.0889	258.2222	10.1641	210.0320	63.8915
5033	92.0889	758.2678	14.0368	683.2052	151.6138
21351	99.4829	80.6988	6.2490	12.1389	20.9160
11728	99.3278	753.1340	68.6619	380.7892	93.2638
9551	99.2761	796.8730	49.0184	498.5805	85.2638
13270	99.1727	476.3998	65.5985	163.7858	60.4464

TABLE 5T: Hydralazine--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
6548	98.8625	694.7628	100.4281	213.2618	77.0934
8124	98.8625	95.3660	7.7097	40.2143	17.6130
2416	98.7590	501.2280	5.6277	346.1962	87.9370
6562	98.7073	47.5550	3.1216	81.4447	17.6739
5258	98.7073	664.1520	45.8208	402.7573	69.9663
15885	98.6556	280.7466	25.1179	145.7606	36.6394
8745	98.6556	215.8620	38.9721	107.9325	39.4425
7299	98.6039	773.1158	120.8460	251.5905	113.1404
11726	98.5005	533.5082	40.5515	286.8237	89.8029
11727	98.5005	604.3898	48.0730	319.2727	85.6607
22464	98.5005	278.9364	40.1997	124.1771	46.7906
5129	98.4488	169.9756	12.3029	86.1985	28.2466
23035	98.3971	245.7036	21.6546	123.3464	34.7819
15988	98.2937	558.6684	65.8687	241.6226	86.0058
5292	98.2420	376.7596	113.5796	91.9099	69.3469
14904	98.1903	112.3884	1.2288	83.6469	20.3510
12303	98.1903	112.7144	15.4871	28.6056	39.0416
3050	98.0869	228.8394	38.5682	88.4676	65.8110
15841	98.0352	85.1580	5.2567	50.2158	13.6288
23110	98.0352	344.7718	15.4324	210.0800	56.4770
2378	97.9835	129.8426	19.3748	56.7000	19.6457
6936	97.9317	198.0056	27.9364	98.0114	30.9212
22614	97.8800	156.9550	73.5855	45.3235	24.0818
3003	97.8283	417.5536	106.1557	70.3467	60.2634
19271	97.7766	513.5628	37.1821	301.9994	73.4440
15212	97.6732	116.1712	20.9712	56.5987	40.6347
23015	97.6215	153.2294	30.5337	77.7618	21.7425
7867	97.6215	248.1136	37.4367	97.2828	44.8662
13966	97.5698	194.0216	33.4736	104.6886	27.0718
7615	97.5698	91.9202	11.3562	29.7933	25.0687
8495	97.5698	192.2230	8.3247	131.8170	29.8504
5007	97.5181	1227.9742	164.0440	736.2918	160.4563
11331	97.4147	140.2186	14.3519	87.0803	18.9431
14955	97.4147	181.0944	80.5659	-178.9106	195.8687
3941	97.3630	380.7426	47.4343	180.8175	67.4454
23471	97.3113	189.1040	51.5207	77.4026	35.9134
12398	97.3113	399.6760	9.1169	280.6130	66.7741
7220	97.2596	51.8602	0.7886	76.1486	29.3080
6560	97.1562	432.4062	30.2947	282.7162	57.5640
6828	97.1562	671.4382	59.8131	327.2167	123.5972
17903	97.1044	244.5414	29.1343	137.7887	38.4653
9658	97.1044	244.7306	62.7510	99.7752	47.9401
17236	97.0010	778.2720	64.5047	428.0899	134.2179
5531	97.0010	172.8490	10.8200	102.8946	29.5049
3049	97.0010	498.4446	86.8179	249.9030	136.4987
26075	97.0010	924.5460	22.1006	1301.2541	323.3296
22958	96.8976	375.6922	31.5155	232.9499	64.3866
6094	96.7942	223.6600	29.8316	112.4906	42.5031
23230	96.7425	162.8192	9.7664	252.2847	53.4630
14342	96.7425	59.0536	1.1919	83.3173	28.1826
4725	96.7425	239.6758	67.2939	87.1054	101.4360
2788	96.6908	243.0384	1.5378	223.5537	41.0819

TABLE 5T: Hydralazine--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23673	96.6908	209.5468	7.9002	360.8423	128.9266
13029	96.5874	435.5570	85.3821	201.6063	84.8801
21311	96.5874	252.0194	18.5667	173.1230	35.7047
22677	96.5874	426.8144	74.5008	154.5159	88.3326
3979	96.5874	116.0628	24.6605	49.4074	22.1134
22666	96.5357	125.0378	7.3520	78.9438	39.9018
3615	96.4840	575.8332	43.2667	305.7159	136.9796
19082	96.4840	289.2080	11.0645	223.3971	34.5298
6888	96.4323	1068.6526	93.9476	691.3709	176.1165
12098	96.3806	90.9948	33.1508	-8.9047	39.2096
3953	96.3806	201.1584	13.2141	118.9865	36.8447
18673	96.3806	237.2430	27.7351	143.5021	35.7604
6053	96.3289	36.2648	5.1090	11.4704	11.8845
4432	96.3289	116.5428	21.4180	46.0566	26.6820
5953	96.3289	169.6634	17.2572	290.3810	71.8326
8303	96.3289	92.3654	8.0782	50.7243	18.0310
21973	96.3289	94.0224	1.4839	84.8166	31.2021
2687	96.2771	62.2784	2.6128	100.0773	25.5429
2729	96.2254	276.0500	17.5150	480.2069	152.8510
2042	96.1737	320.1662	58.4861	142.4172	69.3252
23998	96.1220	83.0044	19.9299	37.4956	13.9322

TABLE 5U: IFOSPHAMIDE Timepoint(s): 48, 144 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1632	93.9252	21.9256	4.7059	49.1647	16.3980
4010	92.7310	83.0657	23.0504	36.4157	46.9120
1780	92.4195	35.5666	5.7305	49.4382	25.5523
20734	92.3676	144.9521	23.4277	94.5444	48.0442
8587	92.3157	20.8803	4.2288	41.8238	16.9462
25790	92.2638	35.6152	5.7390	59.4251	16.3800
16708	91.8484	88.5919	17.8854	157.9072	40.9954
20224	91.7965	26.1801	4.6261	54.4380	23.6048
14543	91.5369	48.5444	13.3595	5.1087	27.4423
18596	91.2773	10.5340	2.2310	21.6064	8.7291
4338	91.2253	69.7044	4.9022	93.0153	21.2727
1827	91.2253	16.2629	9.8338	75.3003	47.7747
24844	90.9657	6.6279	6.2995	54.7281	38.8846
16260	90.4465	45.4320	8.2771	79.8531	24.0301
695	90.2908	53.2826	3.7848	69.0072	17.9080
1904	90.2908	47.5752	5.7608	84.8968	39.3159
305	90.1350	22.3219	9.1616	53.6244	26.0163
25306	90.1350	-11.1511	13.4777	24.5808	23.8453
16272	90.0312	25.6340	8.0024	50.4168	16.9726
20232	89.9792	12.6166	3.2958	27.4022	10.9487
20509	89.9273	20.0840	3.0939	36.0410	15.0767
16610	89.7715	499.3631	73.4028	756.9499	181.8408
24697	89.5119	105.8682	9.8884	155.6203	42.9715
16899	89.4600	32.9150	4.8111	20.0086	13.3720
25262	89.1485	28.4856	3.1939	42.4705	14.5360
385	89.1485	11.8336	5.9556	46.0511	22.7486
2881	88.9927	252.2559	62.0365	398.2385	92.6266
20313	88.8370	8.0980	9.4173	29.3879	10.8937
12022	88.8370	23.3220	5.1564	49.3675	23.7717
1463	88.3697	637.2336	174.0208	362.0256	132.6660
20073	88.2658	2.9439	8.0267	40.0215	19.4706
5159	87.9543	336.6101	76.6035	172.3420	76.1563
348	87.6947	47.5134	9.5651	81.4591	28.9767
15380	87.6428	1163.6321	88.1712	936.7430	371.0795
1265	87.4870	13.2800	9.0537	32.1539	11.5110
15777	87.4870	15.1453	5.2606	35.8179	18.4377
17709	87.3832	131.6908	17.2177	181.8362	42.2679
25290	87.1236	587.7248	84.2770	388.4657	110.4809
17226	87.1236	269.8507	29.5324	190.1852	46.8537
19326	86.8640	69.1733	6.3079	55.9080	24.3541
2832	86.8120	120.5140	13.6626	150.9123	24.0289
1765	86.8120	47.8216	9.6220	83.6380	31.6316
11113	86.7082	14.1942	9.7635	36.4740	19.6053
15776	86.7082	151.7243	22.4822	244.3187	74.2967
24643	86.6044	215.9132	50.8641	69.3391	74.1356
25365	86.3967	9.7790	7.4931	47.8117	33.8018
1808	86.3448	5.7119	5.3248	97.1407	156.9111
11218	86.3448	38.1513	30.2508	128.0294	49.1823
19795	86.3448	34.0938	13.5264	68.0481	27.3656
167	86.3448	345.9002	83.9734	587.3977	174.9745
2947	86.2928	24.4228	9.0045	51.3409	20.3344
21652	86.2409	16.3704	19.2389	25.6408	11.2378

TABLE 5U: IFOSPHAMIDE
Timepoint(s): 48, 144 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
6577	86.2409	150.3376	9.2802	123.4940	35.7175
938	86.2409	9.6093	3.2930	21.0064	10.0987
25765	86.2409	33.1944	8.5889	65.7206	19.4755
20210	86.1890	24.6803	11.0628	56.1610	17.5939
24597	86.1890	561.1767	51.1917	483.0641	109.4266
1249	86.1371	41.7076	8.2689	60.5223	14.3267
25571	86.1371	36.6171	8.0319	54.8128	15.1105
20732	86.1371	12.7066	4.1574	23.3332	9.0825
15727	86.1371	16.3477	7.4304	39.3159	13.5947
16947	86.0332	50.5529	10.1535	76.5861	22.0020
16962	85.9813	6.9492	6.2045	28.2084	13.7644
23069	85.9294	31.9091	4.3861	44.3683	10.8900
2153	85.7736	289.2098	43.1231	220.9612	123.1106
10544	85.7736	353.9149	29.0669	431.7080	65.7848
20450	85.7736	52.3184	7.1360	72.6463	22.4439
23665	85.7217	34.9232	7.1230	51.8690	12.9006
15310	85.6698	38.2432	6.9779	56.7156	15.2127
2413	85.6179	752.3984	55.8953	625.1376	104.2356
25770	85.6179	69.4238	33.3087	160.7589	60.1974
58	85.5659	97.7782	5.3308	91.3499	24.6679
17693	85.5140	61.2944	7.7884	44.4666	18.2384
20536	85.5140	35.1599	9.6132	11.9589	22.6823
21866	85.3583	113.1301	31.5776	217.3893	93.2963
455	85.3583	3398.0386	634.4508	4996.0023	1069.3956
19423	85.3063	57.2618	11.3319	97.6164	39.0480
1356	85.3063	37.6693	8.3923	20.4105	11.3700
24522	85.3063	8.8614	7.9366	27.5777	12.2626
17427	85.2025	323.6780	57.0555	221.4037	65.8713
17303	85.2025	33.7866	2.8455	41.9456	9.1403
162	84.9429	20.8002	17.6035	42.5670	23.7219
10108	84.8910	91.7666	10.7510	63.6700	27.1232
22355	84.7871	16.5914	5.3296	31.9805	12.8094
3799	84.6833	248.9998	58.6310	384.0977	115.4912
1025	84.5275	10.6336	5.2061	33.1574	21.1802
2464	84.5275	32.8120	3.7668	39.8959	13.1058
1024	84.4237	21.5096	7.3160	44.4910	18.9310
10510	84.4237	231.8057	17.9081	245.7739	69.5059
18315	84.2679	752.9110	151.6886	1144.1357	341.8948
18582	84.2679	338.0744	29.3245	250.5000	55.4897
18360	84.2160	279.0253	73.8143	410.2238	103.7573
17997	84.2160	25.9506	5.2089	38.3192	11.5819
983	84.2160	84.9207	11.7220	119.6201	32.5343
942	84.2160	10.7322	6.7701	24.4656	9.1480
15507	84.2160	11.5281	3.6762	20.9932	6.5180
2401	84.1121	19.7984	18.8561	54.8464	22.2599
14066	84.0602	83.1214	8.6258	111.1332	31.3829
1118	84.0602	20.3108	7.7863	51.3574	21.9794
10248	84.0083	373.7648	49.7422	307.3939	85.4952
3390	96.5213	98.0716	16.5306	13.2468	32.8732
11375	95.9502	47.0950	6.7258	101.4006	31.7853
5422	95.9502	255.9669	15.3339	447.6795	137.3423
5549	95.6906	171.8383	14.2889	272.7479	88.2184

TABLE 5U: IFOSPHAMIDE
Timepoint(s): 48, 144 hrs

Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
6276	95.6386	16.9686	15.6448	103.0190	46.1880
12796	95.6386	-12.9629	11.2831	41.7692	26.8851
2962	95.5348	59.8316	8.6970	117.4927	32.2233
2424	95.4829	744.0810	64.6463	456.9711	109.4196
23288	95.3271	162.0457	22.1140	272.3246	62.0544
14594	95.2233	37.3820	25.3448	-20.8144	26.6169
5710	95.1194	64.4711	7.2831	115.7780	29.5012
2657	94.9117	404.4319	47.1948	214.9007	86.2187
4954	94.8079	75.8566	48.3559	300.5078	120.2101
8712	94.7560	93.8463	20.1516	10.3414	49.3580
10070	94.7040	34.6609	9.5241	79.8852	30.3408
5433	94.6521	48.3568	7.0044	97.6852	36.0229
3952	94.3406	142.5596	15.2222	220.9986	49.2334
12426	94.2368	36.4587	34.9450	-53.9307	40.6853
15108	94.2368	33.5728	7.3179	75.1760	24.1931
5890	94.0810	144.1226	16.6702	237.2963	56.8326
7447	93.8733	54.7359	9.9771	104.1249	30.7595
7698	93.6656	74.4883	11.5063	149.5131	47.2443
16335	93.6137	88.6708	40.5413	266.6131	136.8408
4779	93.5618	40.2461	5.2003	66.4230	17.3590
3352	93.5099	721.7098	75.5300	447.0117	132.9273
10171	93.5099	91.0491	22.1459	180.0318	47.2872
8103	93.4579	-7.6890	9.1160	54.2286	37.7280
15160	93.3541	87.2868	16.4703	213.1044	92.6222
16034	93.3541	109.7919	25.9816	218.6182	58.2329
3899	93.3022	60.4683	21.0169	-11.5877	35.8785
21364	93.1983	72.5470	39.8668	262.2539	123.5654
9521	93.1464	55.8598	9.0144	91.8144	22.2810
2075	93.0426	44.3953	8.3172	89.0395	28.0498
19214	92.8349	127.8322	22.3277	37.8946	63.3805
14842	92.7830	49.3027	12.6519	102.6669	39.3891
22187	92.7830	409.4556	129.1747	867.5699	267.7624
21782	92.6791	38.6721	27.8222	122.8371	47.2701
9352	92.6791	378.4376	53.4050	552.6199	96.8881
8039	92.6791	68.3052	18.3267	140.0283	49.5285
10453	92.6272	53.9392	16.4808	132.5562	49.1075
11408	92.6272	32.4582	18.6918	129.4645	55.9234
5095	92.6272	416.0853	28.8365	567.1313	110.1052
9554	92.5753	40.4331	14.8696	97.1900	33.8327
3265	92.4714	41.5882	12.8118	98.6859	36.9127
3637	92.3676	15.1582	7.5334	41.6123	22.4054
22405	92.3157	133.8187	32.5703	238.9619	59.6023
7264	92.2638	27.2209	10.8354	72.6050	47.7981
16686	92.2118	118.8172	33.9194	234.5096	69.1124
6737	92.1080	177.6041	46.8049	85.4628	68.4928
2526	92.1080	236.0059	26.3307	326.7278	58.8308
8557	92.1080	124.4789	33.6220	298.5563	128.6680
10690	92.1080	26.9454	4.5462	6.3091	18.2157
22480	92.1080	67.8894	14.8504	144.3945	51.0405
5990	92.0561	483.3228	40.6774	361.6884	71.5924
6496	92.0042	91.6501	25.0566	188.0613	55.0460
21889	91.9522	72.4361	17.2609	128.0111	31.2454

TABLE 5U: IFOSPHAMIDE		Atty. Ref. 44921-5090-01-WO/2105485					
Timepoint(s): 48, 144 hrs		GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
		23092	91.9003	276.9497	35.3796	396.4401	70.1076
		5726	91.8484	47.5982	14.2846	92.5981	28.6611
		8158	91.8484	213.3934	48.7506	403.2356	114.7865
		10277	91.8484	25.4588	9.4491	82.9826	42.3476
		3781	91.7445	-8.0857	12.0879	30.3861	26.3140
		4750	91.6926	129.3269	39.4346	255.8295	84.7185
		17552	91.6926	54.2706	13.2305	100.7306	33.8001
		22708	91.6926	165.1820	16.0246	252.7250	71.8390
		19159	91.6407	347.2374	57.9407	243.3276	58.7902
		12805	91.6407	46.1116	10.1198	12.1679	53.7115
		2492	91.5888	191.2070	34.7816	110.1686	42.6341
		22308	91.5888	311.2068	57.2959	130.6294	104.9578
		5595	91.5369	133.1074	12.8488	188.8985	46.4980
		5370	91.5369	44.2783	20.8570	134.8288	63.6771

TABLE 5V: Ifosfamide--Core Tox Markers
Timepoint(s): 48, 144 hrs

Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
16448	97.1963	52.2061	15.1149	282.8893	132.2836
25517	96.9886	47.0090	5.5888	164.7448	104.5660
18907	96.0540	43.0038	37.5571	445.5213	256.1916
6654	95.9502	66.3403	7.8424	32.6269	13.7744
25468	95.4829	1301.8949	1387.7861	6101.7220	2467.7418
25469	94.7560	1031.8324	1010.7518	4514.6746	1818.4718
1632	93.9252	21.9256	4.7059	49.1647	16.3980
1684	93.6137	1779.0361	1757.4448	6747.6461	2993.0791
4010	92.7310	83.0657	23.0504	36.4157	46.9120
1780	92.4195	35.5666	5.7305	49.4382	25.5523
20734	92.3676	144.9521	23.4277	94.5444	48.0442
8587	92.3157	20.8803	4.2288	41.8238	16.9462
25790	92.2638	35.6152	5.7390	59.4251	16.3800
16708	91.8484	88.5919	17.8854	157.9072	40.9954
20224	91.7965	26.1801	4.6261	54.4380	23.6048
14543	91.5369	48.5444	13.3595	5.1087	27.4423
18596	91.2773	10.5340	2.2310	21.6064	8.7291
4338	91.2253	69.7044	4.9022	93.0153	21.2727
1827	91.2253	16.2629	9.8338	75.3003	47.7747
24844	90.9657	6.6279	6.2995	54.7281	38.8846
9501	90.9138	152.3356	11.4546	118.4492	23.4890
16260	90.4465	45.4320	8.2771	79.8531	24.0301
695	90.2908	53.2826	3.7848	69.0072	17.9080
1904	90.2908	47.5752	5.7608	84.8968	39.3159
1845	90.1869	-39.5333	15.8480	50.2903	75.5014
305	90.1350	22.3219	9.1616	53.6244	26.0163
25306	90.1350	-11.1511	13.4777	24.5808	23.8453
16272	90.0312	25.6340	8.0024	50.4168	16.9726
20232	89.9792	12.6166	3.2958	27.4022	10.9487
20509	89.9273	20.0840	3.0939	36.0410	15.0767
16610	89.7715	499.3631	73.4028	756.9499	181.8408
24697	89.5119	105.8682	9.8884	155.6203	42.9715
16899	89.4600	32.9150	4.8111	20.0086	13.3720
25262	89.1485	28.4856	3.1939	42.4705	14.5360
385	89.1485	11.8336	5.9556	46.0511	22.7486
2881	88.9927	252.2559	62.0365	398.2385	92.6266
20313	88.8370	8.0980	9.4173	29.3879	10.8937
12022	88.8370	23.3220	5.1564	49.3675	23.7717
1463	88.3697	637.2336	174.0208	362.0256	132.6660
20073	88.2658	2.9439	8.0267	40.0215	19.4706
956	88.2658	109.0921	25.9296	220.8949	96.5220
4011	88.0062	26.8526	6.8641	15.2646	19.2039
5159	87.9543	336.6101	76.6035	172.3420	76.1563
348	87.6947	47.5134	9.5651	81.4591	28.9767
15380	87.6428	1163.6321	88.1712	936.7430	371.0795
1265	87.4870	13.2800	9.0537	32.1539	11.5110
15777	87.4870	15.1453	5.2606	35.8179	18.4377
17709	87.3832	131.6908	17.2177	181.8362	42.2679
25290	87.1236	587.7248	84.2770	388.4657	110.4809
17226	87.1236	269.8507	29.5324	190.1852	46.8537
19326	86.8640	69.1733	6.3079	55.9080	24.3541
2832	86.8120	120.5140	13.6626	150.9123	24.0289

TABLE 5V: Ifosfamide--Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 48, 144 hrs.					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1765	86.8120	47.8216	9.6220	83.6380	31.6316
11113	86.7082	14.1942	9.7635	36.4740	19.6053
15776	86.7082	151.7243	22.4822	244.3187	74.2967
24643	86.6044	215.9132	50.8641	69.3391	74.1356
25365	86.3967	9.7790	7.4931	47.8117	33.8018
1808	86.3448	5.7119	5.3248	97.1407	156.9111
11218	86.3448	38.1513	30.2508	128.0294	49.1823
19795	86.3448	34.0938	13.5264	68.0481	27.3656
167	86.3448	345.9002	83.9734	587.3977	174.9745
2947	86.2928	24.4228	9.0045	51.3409	20.3344
21652	86.2409	16.3704	19.2389	25.6408	11.2378
6577	86.2409	150.3376	9.2802	123.4940	35.7175
938	86.2409	9.6093	3.2930	21.0064	10.0987
25765	86.2409	33.1944	8.5889	65.7206	19.4755
20210	86.1890	24.6803	11.0628	56.1610	17.5939
24597	86.1890	561.1767	51.1917	483.0641	109.4266
1249	86.1371	41.7076	8.2689	60.5223	14.3267
25571	86.1371	36.6171	8.0319	54.8128	15.1105
20732	86.1371	12.7066	4.1574	23.3332	9.0825
15727	86.1371	16.3477	7.4304	39.3159	13.5947
16947	86.0332	50.5529	10.1535	76.5861	22.0020
16962	85.9813	6.9492	6.2045	28.2084	13.7644
23069	85.9294	31.9091	4.3861	44.3683	10.8900
2153	85.7736	289.2098	43.1231	220.9612	123.1106
10544	85.7736	353.9149	29.0669	431.7080	65.7848
20450	85.7736	52.3184	7.1360	72.6463	22.4439
23665	85.7217	34.9232	7.1230	51.8690	12.9006
15310	85.6698	38.2432	6.9779	56.7156	15.2127
2413	85.6179	752.3984	55.8953	625.1376	104.2356
25770	85.6179	69.4238	33.3087	160.7589	60.1974
58	85.5659	97.7782	5.3308	91.3499	24.6679
17693	85.5140	61.2944	7.7884	44.4666	18.2384
20536	85.5140	35.1599	9.6132	11.9589	22.6823
21866	85.3583	113.1301	31.5776	217.3893	93.2963
455	85.3583	3398.0386	634.4508	4996.0023	1069.3956
19423	85.3063	57.2618	11.3319	97.6164	39.0480
1356	85.3063	37.6693	8.3923	20.4105	11.3700
24522	85.3063	8.8614	7.9366	27.5777	12.2626
17427	85.2025	323.6780	57.0555	221.4037	65.8713
17303	85.2025	33.7866	2.8455	41.9456	9.1403
162	84.9429	20.8002	17.6035	42.5670	23.7219
10108	84.8910	91.7666	10.7510	63.6700	27.1232
22355	84.7871	16.5914	5.3296	31.9805	12.8094
3799	84.6833	248.9998	58.6310	384.0977	115.4912
1025	84.5275	10.6336	5.2061	33.1574	21.1802
2464	84.5275	32.8120	3.7668	39.8959	13.1058
1024	84.4237	21.5096	7.3160	44.4910	18.9310
10510	84.4237	231.8057	17.9081	245.7739	69.5059
8515	98.3385	195.2183	33.1208	516.7584	139.8226
1831	97.3001	61.1163	13.5200	193.4309	75.5834
26150	97.0924	239.4870	199.4131	3011.7153	1987.2217
1687	97.0405	641.7103	593.6589	4468.7838	1778.5097

TABLE 5V: Ifosfamide--Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 48, 144 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
19358	97.0405	378.9000	312.7266	2479.5780	947.3107
3390	96.5213	98.0716	16.5306	13.2468	32.8732
1689	96.2098	1657.4481	1651.1974	9093.2905	4046.8430
17832	96.1059	753.9386	718.7494	5637.5942	2321.1012
7120	96.0540	3.4607	7.5661	52.6522	27.1502
11375	95.9502	47.0950	6.7258	101.4006	31.7853
5422	95.9502	255.9669	15.3339	447.6795	137.3423
5549	95.6906	171.8383	14.2889	272.7479	88.2184
6276	95.6386	16.9686	15.6448	103.0190	46.1880
12796	95.6386	-12.9629	11.2831	41.7692	26.8851
2962	95.5348	59.8316	8.6970	117.4927	32.2233
8612	95.5348	0.2689	6.9976	46.0127	28.3992
2424	95.4829	744.0810	64.6463	456.9711	109.4196
23288	95.3271	162.0457	22.1140	272.3246	62.0544
14594	95.2233	37.3820	25.3448	-20.8144	26.6169
5710	95.1194	64.4711	7.2831	115.7780	29.5012
17892	94.9637	74.1322	32.9001	496.0090	309.0373
2657	94.9117	404.4319	47.1948	214.9007	86.2187
23096	94.8598	303.9404	28.8283	106.0388	116.0834
4954	94.8079	75.8566	48.3559	300.5078	120.2101
8712	94.7560	93.8463	20.1516	10.3414	49.3580
10070	94.7040	34.6609	9.5241	79.8852	30.3408
17917	94.6521	94.8277	47.9334	-207.1858	165.7049
5433	94.6521	48.3568	7.0044	97.6852	36.0229
1830	94.5483	21.8907	8.9622	91.8654	47.1237
3952	94.3406	142.5596	15.2222	220.9986	49.2334
12426	94.2368	36.4587	34.9450	-53.9307	40.6853
15108	94.2368	33.5728	7.3179	75.1760	24.1931
5890	94.0810	144.1226	16.6702	237.2963	56.8326
7447	93.8733	54.7359	9.9771	104.1249	30.7595
7698	93.6656	74.4883	11.5063	149.5131	47.2443
16335	93.6137	88.6708	40.5413	266.6131	136.8408
4779	93.5618	40.2461	5.2003	66.4230	17.3590
3352	93.5099	721.7098	75.5300	447.0117	132.9273
10171	93.5099	91.0491	22.1459	180.0318	47.2872
8103	93.4579	-7.6890	9.1160	54.2286	37.7280
15160	93.3541	87.2868	16.4703	213.1044	92.6222
16034	93.3541	109.7919	25.9816	218.6182	58.2329
3899	93.3022	60.4683	21.0169	-11.5877	35.8785
21364	93.1983	72.5470	39.8668	262.2539	123.5654
6176	93.1983	38.5042	16.9291	124.2971	49.3222
9521	93.1464	55.8598	9.0144	91.8144	22.2810
2075	93.0426	44.3953	8.3172	89.0395	28.0498
19214	92.8349	127.8322	22.3277	37.8946	63.3805
14842	92.7830	49.3027	12.6519	102.6669	39.3891
22187	92.7830	409.4556	129.1747	867.5699	267.7624
21782	92.6791	38.6721	27.8222	122.8371	47.2701
9352	92.6791	378.4376	53.4050	552.6199	96.8881
8039	92.6791	68.3052	18.3267	140.0283	49.5285
10453	92.6272	53.9392	16.4808	132.5562	49.1075
11408	92.6272	32.4582	18.6918	129.4645	55.9234
5095	92.6272	416.0853	28.8365	567.1313	110.1052

TABLE 5V: Ifosfamide--Core Tox Markers
Timepoint(s): 48, 144 hrs

Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
9554	92.5753	40.4331	14.8696	97.1900	33.8327
3265	92.4714	41.5882	12.8118	98.6859	36.9127
3637	92.3676	15.1582	7.5334	41.6123	22.4054
1685	92.3157	3767.8787	3620.3845	16237.8222	9744.3700
22405	92.3157	133.8187	32.5703	238.9619	59.6023
7264	92.2638	27.2209	10.8354	72.6050	47.7981
16686	92.2118	118.8172	33.9194	234.5096	69.1124
6737	92.1080	177.6041	46.8049	85.4628	68.4928
2526	92.1080	236.0059	26.3307	326.7278	58.8308
8557	92.1080	124.4789	33.6220	298.5563	128.6680
10690	92.1080	26.9454	4.5462	6.3091	18.2157
22480	92.1080	67.8894	14.8504	144.3945	51.0405
5990	92.0561	483.3228	40.6774	361.6884	71.5924
6496	92.0042	91.6501	25.0566	188.0613	55.0460
21889	91.9522	72.4361	17.2609	128.0111	31.2454
23092	91.9003	276.9497	35.3796	396.4401	70.1076
5726	91.8484	47.5982	14.2846	92.5981	28.6611
8158	91.8484	213.3934	48.7506	403.2356	114.7865
10277	91.8484	25.4588	9.4491	82.9826	42.3476
3781	91.7445	-8.0857	12.0879	30.3861	26.3140
4750	91.6926	129.3269	39.4346	255.8295	84.7185
17552	91.6926	54.2706	13.2305	100.7306	33.8001
22708	91.6926	165.1820	16.0246	252.7250	71.8390
19159	91.6407	347.2374	57.9407	243.3276	58.7902
12805	91.6407	46.1116	10.1198	12.1679	53.7115
2492	91.5888	191.2070	34.7816	110.1686	42.6341
22308	91.5888	311.2068	57.2959	130.6294	104.9578
5595	91.5369	133.1074	12.8488	188.8985	46.4980
5370	91.5369	44.2783	20.8570	134.8288	63.6771

TABLE 5W: ISOPROTERENOL
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1977	99.2761	281.1560	19.9468	553.2170	108.9731
17383	99.2244	242.5684	60.2422	9.3550	26.2362
23651	99.0693	1262.3600	965.5064	38.3062	119.7939
18308	98.2420	364.6776	43.3971	726.0715	147.7221
20589	98.0869	686.0406	217.7915	147.0226	81.7174
18190	97.9835	61.2730	11.9914	142.6882	35.4957
20869	97.7249	191.1688	54.1307	61.7710	37.3905
20862	97.2079	109.6054	9.1395	202.5150	51.9772
25801	97.1562	93.4938	32.8141	34.2978	17.5263
20872	97.0527	2107.4202	138.5598	1374.1089	298.2244
15876	97.0010	2286.4682	205.9736	1515.4745	242.0758
20855	97.0010	438.1068	58.9423	701.2188	121.6465
815	96.8459	2397.1246	164.5055	1484.6920	348.7453
24886	96.8459	2430.0154	191.4842	1650.1080	273.4053
20856	96.8459	660.1966	91.9345	1097.4267	184.9369
9620	96.7425	1309.2228	111.2494	796.0881	180.1810
13974	96.7425	950.2598	158.6988	537.7136	142.7811
9240	96.6908	841.4074	37.9755	1171.9326	182.4209
18881	96.6391	43.1530	7.8137	18.5638	7.9904
25702	96.6391	1006.5474	52.0540	717.8472	132.1563
17586	96.4840	168.2388	26.2737	99.2782	23.1224
15867	96.4840	76.8508	7.7156	39.3922	53.8512
17481	96.4323	44.0366	6.8639	8.6432	17.6908
16918	96.3806	2701.6484	298.5475	1656.8293	390.8094
468	96.3806	253.3670	4.6985	335.6019	77.0161
18307	96.3289	77.1716	18.0621	197.3083	62.0223
2109	96.3289	1185.6356	179.4987	756.7138	157.0759
18569	96.2254	3600.5110	873.6649	1593.1738	595.1392
15135	96.1220	1536.2712	135.8295	994.3579	218.0367
4222	96.1220	1291.4320	87.5453	980.3590	130.9204
13647	96.1220	1151.5724	181.5847	559.6657	202.5750
5667	96.0186	1612.5846	102.2626	1149.1016	189.6771
3244	96.0186	120.3262	8.1327	176.4112	33.5751
17159	95.9152	1572.3148	187.6344	1018.6373	243.3853
17100	95.7601	2047.7910	178.7334	1308.2477	293.8709
17729	95.7601	1918.3926	161.8414	1323.1157	225.7358
18025	95.7601	123.1492	7.0280	183.1607	36.0667
23888	95.7084	111.4202	15.3955	56.8814	21.8637
21076	95.7084	76.1978	4.6504	123.0470	28.4901
1523	95.7084	122.9916	17.2852	212.2060	51.8349
690	95.6567	44.4970	1.2320	43.1497	21.6870
13646	95.6050	946.2256	83.5885	577.1178	155.8400
14966	95.6050	116.9316	18.4361	39.1802	45.8032
15387	95.5533	1127.9196	97.1354	765.4720	152.9382
7594	95.5533	42.7394	8.6206	21.5775	9.6285
20056	95.5533	91.0126	16.1662	154.1554	29.1854
24885	95.5016	1825.4132	196.0255	1170.4232	257.0082
23889	95.4498	193.3960	50.6143	94.2180	32.1467
17380	95.4498	411.4880	45.1926	602.8949	97.2775
20839	95.3981	2157.4994	150.2386	1521.6955	266.3647
25686	95.3981	1409.5814	104.8654	970.9436	195.1788
17379	95.3981	300.4482	20.9956	439.7134	98.9308

TABLE 5W: ISOPROTERENOL			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
14959	95.2947	1152.2914	74.7831	802.2623	158.5034
10109	95.2947	1758.3110	118.9654	1264.7123	227.5776
21377	95.1913	166.6046	15.3011	99.7410	31.3940
18387	95.1913	1591.3322	135.0484	2366.1538	453.0061
1876	95.1396	48.7360	3.7356	82.1938	24.3829
17374	95.1396	211.4694	5.6650	273.8754	58.5667
17303	95.0879	28.4336	1.5918	41.9396	9.1066
3027	95.0362	2264.5632	150.9679	1608.7857	296.6061
17815	94.9845	25.1606	7.0400	6.0317	8.2944
17217	94.9845	335.5012	7.1145	405.3749	80.9328
18250	94.9328	2294.3592	147.3030	1649.1933	321.1304
1143	94.9328	83.5102	5.9807	128.6649	30.2698
23854	94.8294	1140.2992	146.7358	709.1314	172.4544
2812	94.8294	57.9592	3.3591	89.9564	24.8832
20810	94.7777	3017.1464	362.7701	2018.4821	406.7029
7593	94.7777	107.9794	13.5568	65.6747	22.4021
1728	94.7777	1063.3382	64.9909	1491.8039	266.1204
15052	94.7260	4286.7688	739.8015	2732.5401	638.0684
23606	94.7260	446.1930	36.8473	640.8500	109.2710
23783	94.7260	296.0890	15.7047	404.1912	68.2440
4459	94.7260	23.8026	3.2653	43.7754	15.8319
22	94.6743	23.2500	8.8763	108.2320	102.4995
15303	94.6225	121.2882	11.3289	215.2800	56.6663
21	94.5191	25.0396	2.4980	62.7119	52.7892
24814	94.5191	104.1916	8.7462	71.9542	16.6319
2008	94.5191	40.3384	1.9517	62.5625	33.9581
18319	94.5191	558.4844	27.1746	864.7216	243.3743
15202	94.5191	1683.4932	138.6406	1015.8598	357.1087
17494	94.5191	165.2608	10.1135	247.6753	54.0337
19244	94.4674	2381.5768	137.5725	1810.0884	305.1647
21575	94.4674	185.8712	7.1711	142.3836	30.5794
15486	94.3640	15.8234	0.7048	26.0108	16.0510
10498	94.3640	1997.8460	323.6599	1376.3590	271.7471
16023	94.3123	1098.3534	62.6343	1591.1177	334.1844
15468	94.2606	1764.6184	146.7957	1309.5903	219.7387
18305	94.2606	3179.0632	379.2372	2113.8723	463.9186
20178	94.2606	24.0734	5.5628	-2.6341	30.9588
15626	94.2089	2696.1736	223.2380	1808.3848	402.0718
18606	94.2089	1187.2666	93.6190	822.6851	177.2054
18386	94.2089	1463.4778	250.1575	2274.2335	449.1281
11384	94.2089	30.5094	0.8177	33.3866	11.0480
15201	94.1055	3246.1558	357.7373	2274.4849	449.2785
12058	94.1055	129.6848	4.0030	101.1381	38.1588
15335	94.0538	890.1394	89.1651	618.3418	136.2742
21840	94.0538	369.6284	22.7713	525.3803	122.9813
20582	93.8469	325.5276	35.9961	493.2211	97.7707
5049	93.8469	509.5548	31.1298	737.5654	170.5862
15136	93.7435	1629.6028	243.9665	1070.6605	271.5419
19456	99.0693	298.1502	177.2594	1.7645	27.0914
22592	98.9659	758.3822	153.9430	200.7379	132.3437
4048	98.8108	683.6852	414.7907	15.8348	54.8179
4049	98.6556	1077.9050	555.8633	38.8703	101.8792

TABLE 5W: ISOPROTERENOL Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
4207	98.3454	290.4604	65.3118	122.1165	40.9110
2296	98.2937	379.8296	138.1372	119.8422	39.0667
11893	98.0352	180.3784	87.3723	3.6850	39.7708
2125	97.9317	488.2134	244.5406	109.2617	87.0160
16753	97.9317	228.0646	109.3065	-5.2427	64.2031
7650	97.8800	336.5038	126.0327	104.0033	39.0348
16394	97.8283	1953.5320	301.7161	776.7555	285.1212
24040	97.7766	978.5796	315.0650	371.7175	128.6161
8058	97.7249	518.1870	64.7283	315.9890	54.8417
4232	97.7249	507.8808	143.7363	185.4600	77.5704
21500	97.6732	302.2368	83.4080	88.8370	88.7562
22556	97.5181	73.0724	20.5771	20.3416	14.8252
22223	97.4147	52.9336	7.9327	223.7111	108.7679
6691	97.4147	347.9868	74.7675	156.4936	49.8047
4967	97.3630	88.9172	20.1806	36.4109	41.2124
4491	97.3113	153.5246	56.1239	46.1077	27.4902
14776	97.3113	288.4110	18.9884	444.9225	80.9918
13539	97.3113	183.1240	55.3367	74.3225	25.9366
3903	97.2596	34.9996	41.3641	-126.2066	69.6649
17826	97.0010	41.9274	21.5602	4.8398	9.9495
23498	97.0010	224.7006	18.7019	366.4700	165.6921
16203	96.9493	78.9488	12.7853	139.5266	48.7555
18	96.9493	163.0158	11.9147	87.7965	33.5906
3505	96.9493	201.4542	43.7494	-34.7538	122.1253
24038	96.8976	512.3702	127.4492	214.5274	78.1911
18296	96.8976	264.4690	9.2486	176.4902	54.0493
2888	96.7942	572.6298	56.5113	985.9715	212.4677
14960	96.7425	2827.0198	325.2308	1623.3914	445.4860
10269	96.4840	3223.7554	534.9910	1981.1927	399.6866
20845	96.4323	756.6490	199.2139	283.6651	204.3095
8339	96.3806	67.1254	3.5227	109.8235	26.8107
8729	96.2771	37.7988	23.4009	-26.2680	25.5023
4670	96.2254	651.6486	37.0112	968.8950	197.5406
16496	96.2254	1007.5318	80.5526	662.3587	140.2810
19778	96.2254	162.7704	19.4915	96.6441	28.4757
16584	96.1737	206.5866	43.5278	99.5119	41.5816
7213	96.1220	982.3286	81.0719	596.6911	156.4134
19458	96.1220	175.6176	45.8215	81.8809	28.5183
13934	96.0703	-9.7620	18.9704	108.1365	52.0482
2173	96.0703	6108.5984	663.8294	3420.8716	1129.3754
11157	96.0186	1426.7052	70.8267	1973.4101	332.9831
23173	96.0186	2830.0816	416.7392	1561.9613	463.9543
6808	96.0186	633.8266	119.9903	355.8146	97.7043
21927	95.9669	986.1244	93.9318	636.1205	133.3608
10919	95.9152	2262.2648	491.2299	842.8495	664.3673
18507	95.8635	845.7300	91.6336	509.8879	133.9074
19379	95.8635	483.4050	16.0720	371.4526	67.5500
20046	95.8118	36.0804	13.2519	9.6159	8.6421
11864	95.8118	53.4336	6.5507	86.2261	22.5507
22171	95.7601	459.3624	3.3321	481.9651	81.2899
4858	95.7601	26.0362	6.4666	-26.1668	33.6523

TABLE 5X: Isoproterenol-Tox Core Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1977	99.2761	281.1560	19.9468	553.2170	108.9731
17383	99.2244	242.5684	60.2422	9.3550	26.2362
23651	99.0693	1262.3600	965.5064	38.3062	119.7939
18308	98.2420	364.6776	43.3971	726.0715	147.7221
20589	98.0869	686.0406	217.7915	147.0226	81.7174
18190	97.9835	61.2730	11.9914	142.6882	35.4957
20869	97.7249	191.1688	54.1307	61.7710	37.3905
12118	97.6215	1593.8502	366.4674	541.2085	291.0134
15003	97.2079	499.7730	126.9177	94.5838	190.8987
20862	97.2079	109.6054	9.1395	202.5150	51.9772
15002	97.1562	640.5422	115.1965	207.6172	187.0907
25801	97.1562	93.4938	32.8141	34.2978	17.5263
20872	97.0527	2107.4202	138.5598	1374.1089	298.2244
15876	97.0010	2286.4682	205.9736	1515.4745	242.0758
20855	97.0010	438.1068	58.9423	701.2188	121.6465
815	96.8459	2397.1246	164.5055	1484.6920	348.7453
24886	96.8459	2430.0154	191.4842	1650.1080	273.4053
20856	96.8459	660.1966	91.9345	1097.4267	184.9369
22321	96.7425	579.0476	242.9531	172.2432	91.8309
9620	96.7425	1309.2228	111.2494	796.0881	180.1810
13974	96.7425	950.2598	158.6988	537.7136	142.7811
9240	96.6908	841.4074	37.9755	1171.9326	182.4209
18881	96.6391	43.1530	7.8137	18.5638	7.9904
25702	96.6391	1006.5474	52.0540	717.8472	132.1563
17586	96.4840	168.2388	26.2737	99.2782	23.1224
15867	96.4840	76.8508	7.7156	39.3922	53.8512
17481	96.4323	44.0366	6.8639	8.6432	17.6908
16918	96.3806	2701.6484	298.5475	1656.8293	390.8094
468	96.3806	253.3670	4.6985	335.6019	77.0161
18307	96.3289	77.1716	18.0621	197.3083	62.0223
2109	96.3289	1185.6356	179.4987	756.7138	157.0759
18569	96.2254	3600.5110	873.6649	1593.1738	595.1392
20743	96.2254	103.6790	6.8918	155.0261	28.0319
15135	96.1220	1536.2712	135.8295	994.3579	218.0367
4222	96.1220	1291.4320	87.5453	980.3590	130.9204
13647	96.1220	1151.5724	181.5847	559.6657	202.5750
5667	96.0186	1612.5846	102.2626	1149.1016	189.6771
3244	96.0186	120.3262	8.1327	176.4112	33.5751
16847	95.9152	1577.3310	112.3690	1115.1014	190.3333
17159	95.9152	1572.3148	187.6344	1018.6373	243.3853
17100	95.7601	2047.7910	178.7334	1308.2477	293.8709
17729	95.7601	1918.3926	161.8414	1323.1157	225.7358
18025	95.7601	123.1492	7.0280	183.1607	36.0667
23888	95.7084	111.4202	15.3955	56.8814	21.8637
21076	95.7084	76.1978	4.6504	123.0470	28.4901
1523	95.7084	122.9916	17.2852	212.2060	51.8349
15510	95.6567	189.7192	13.2887	281.2798	54.4113
690	95.6567	44.4970	1.2320	43.1497	21.6870
13646	95.6050	946.2256	83.5885	577.1178	155.8400
14966	95.6050	116.9316	18.4361	39.1802	45.8032
15387	95.5533	1127.9196	97.1354	765.4720	152.9382
7594	95.5533	42.7394	8.6206	21.5775	9.6285

TABLE 5X: Isoproterenol--Tox Core Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
20056	95.5533	91.0126	16.1662	154.1554	29.1854
24885	95.5016	1825.4132	196.0255	1170.4232	257.0082
23889	95.4498	193.3960	50.6143	94.2180	32.1467
17380	95.4498	411.4880	45.1926	602.8949	97.2775
20839	95.3981	2157.4994	150.2386	1521.6955	266.3647
25686	95.3981	1409.5814	104.8654	970.9436	195.1788
17379	95.3981	300.4482	20.9956	439.7134	98.9308
14959	95.2947	1152.2914	74.7831	802.2623	158.5034
10109	95.2947	1758.3110	118.9654	1264.7123	227.5776
21377	95.1913	166.6046	15.3011	99.7410	31.3940
18387	95.1913	1591.3322	135.0484	2366.1538	453.0061
1892	95.1396	2186.4372	487.7466	1210.5009	391.5950
1876	95.1396	48.7360	3.7356	82.1938	24.3829
17374	95.1396	211.4694	5.6650	273.8754	58.5667
17303	95.0879	28.4336	1.5918	41.9396	9.1066
3027	95.0362	2264.5632	150.9679	1608.7857	296.6061
17815	94.9845	25.1606	7.0400	6.0317	8.2944
17217	94.9845	335.5012	7.1145	405.3749	80.9328
18250	94.9328	2294.3592	147.3030	1649.1933	321.1304
1143	94.9328	83.5102	5.9807	128.6649	30.2698
23854	94.8294	1140.2992	146.7358	709.1314	172.4544
2812	94.8294	57.9592	3.3591	89.9564	24.8832
20810	94.7777	3017.1464	362.7701	2018.4821	406.7029
7593	94.7777	107.9794	13.5568	65.6747	22.4021
1728	94.7777	1063.3382	64.9909	1491.8039	266.1204
15052	94.7260	4286.7688	739.8015	2732.5401	638.0684
23606	94.7260	446.1930	36.8473	640.8500	109.2710
23783	94.7260	296.0890	15.7047	404.1912	68.2440
4459	94.7260	23.8026	3.2653	43.7754	15.8319
22	94.6743	23.2500	8.8763	108.2320	102.4995
15303	94.6225	121.2882	11.3289	215.2800	56.6663
21	94.5191	25.0396	2.4980	62.7119	52.7892
24814	94.5191	104.1916	8.7462	71.9542	16.6319
2008	94.5191	40.3384	1.9517	62.5625	33.9581
18319	94.5191	558.4844	27.1746	864.7216	243.3743
15202	94.5191	1683.4932	138.6406	1015.8598	357.1087
17494	94.5191	165.2608	10.1135	247.6753	54.0337
19244	94.4674	2381.5768	137.5725	1810.0884	305.1647
21575	94.4674	185.8712	7.1711	142.3836	30.5794
15486	94.3640	15.8234	0.7048	26.0108	16.0510
10498	94.3640	1997.8460	323.6599	1376.3590	271.7471
16023	94.3123	1098.3534	62.6343	1591.1177	334.1844
15468	94.2606	1764.6184	146.7957	1309.5903	219.7387
18305	94.2606	3179.0632	379.2372	2113.8723	463.9186
20178	94.2606	24.0734	5.5628	-2.6341	30.9588
15626	94.2089	2696.1736	223.2380	1808.3848	402.0718
18606	94.2089	1187.2666	93.6190	822.6851	177.2054
18386	94.2089	1463.4778	250.1575	2274.2335	449.1281
19456	99.0693	298.1502	177.2594	1.7645	27.0914
22592	98.9659	758.3822	153.9430	200.7379	132.3437
4048	98.8108	683.6852	414.7907	15.8348	54.8179
4049	98.6556	1077.9050	555.8633	38.8703	101.8792

TABLE 5X: Isoproterenol-Tox Core Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
4207	98.3454	290.4604	65.3118	122.1165	40.9110
2296	98.2937	379.8296	138.1372	119.8422	39.0667
11893	98.0352	180.3784	87.3723	3.6850	39.7708
2125	97.9317	488.2134	244.5406	109.2617	87.0160
16753	97.9317	228.0646	109.3065	-5.2427	64.2031
7650	97.8800	336.5038	126.0327	104.0033	39.0348
16394	97.8283	1953.5320	301.7161	776.7555	285.1212
24040	97.7766	978.5796	315.0650	371.7175	128.6161
8058	97.7249	518.1870	64.7283	315.9890	54.8417
4232	97.7249	507.8808	143.7363	185.4600	77.5704
21500	97.6732	302.2368	83.4080	88.8370	88.7562
6606	97.5181	5040.9788	864.8078	1862.0365	743.3288
22556	97.5181	73.0724	20.5771	20.3416	14.8252
22223	97.4147	52.9336	7.9327	223.7111	108.7679
6691	97.4147	347.9868	74.7675	156.4936	49.8047
4967	97.3630	88.9172	20.1806	36.4109	41.2124
4491	97.3113	153.5246	56.1239	46.1077	27.4902
14776	97.3113	288.4110	18.9884	444.9225	80.9918
13539	97.3113	183.1240	55.3367	74.3225	25.9366
15004	97.2596	972.5216	213.6666	334.0647	270.6975
3903	97.2596	34.9996	41.3641	-126.2066	69.6649
4074	97.0527	-0.9616	3.5722	63.0220	44.5968
17826	97.0010	41.9274	21.5602	4.8398	9.9495
23498	97.0010	224.7006	18.7019	366.4700	165.6921
16203	96.9493	78.9488	12.7853	139.5266	48.7555
18	96.9493	163.0158	11.9147	87.7965	33.5906
3505	96.9493	201.4542	43.7494	-34.7538	122.1253
24038	96.8976	512.3702	127.4492	214.5274	78.1911
18296	96.8976	264.4690	9.2486	176.4902	54.0493
2888	96.7942	572.6298	56.5113	985.9715	212.4677
14960	96.7425	2827.0198	325.2308	1623.3914	445.4860
21796	96.5874	546.7450	109.0500	267.5819	90.7752
10269	96.4840	3223.7554	534.9910	1981.1927	399.6866
20845	96.4323	756.6490	199.2139	283.6651	204.3095
8339	96.3806	67.1254	3.5227	109.8235	26.8107
8729	96.2771	37.7988	23.4009	-26.2680	25.5023
4670	96.2254	651.6486	37.0112	968.8950	197.5406
16496	96.2254	1007.5318	80.5526	662.3587	140.2810
19778	96.2254	162.7704	19.4915	96.6441	28.4757
16584	96.1737	206.5866	43.5278	99.5119	41.5816
7213	96.1220	982.3286	81.0719	596.6911	156.4134
19458	96.1220	175.6176	45.8215	81.8809	28.5183
13934	96.0703	-9.7620	18.9704	108.1365	52.0482
2173	96.0703	6108.5984	663.8294	3420.8716	1129.3754
11157	96.0186	1426.7052	70.8267	1973.4101	332.9831
23173	96.0186	2830.0816	416.7392	1561.9613	463.9543
6808	96.0186	633.8266	119.9903	355.8146	97.7043
21927	95.9669	986.1244	93.9318	636.1205	133.3608
10919	95.9152	2262.2648	491.2299	842.8495	664.3673
18507	95.8635	845.7300	91.6336	509.8879	133.9074
19379	95.8635	483.4050	16.0720	371.4526	67.5500
20046	95.8118	36.0804	13.2519	9.6159	8.6421

TABLE 5X: Isoproterenol-Tox Core Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
11864	95.8118	53.4336	6.5507	86.2261	22.5507
22171	95.7601	459.3624	3.3321	481.9651	81.2899
4858	95.7601	26.0362	6.4666	-26.1668	33.6523

TABLE 5Y: ISOPROTERENOL			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
12978	98.7552	352.9183	148.1483	76.0207	44.1639
15353	98.7552	81.3138	17.4250	18.8333	16.0010
10071	98.7033	821.1028	124.3194	261.6078	96.5124
15191	98.5996	2781.0180	387.0119	163.7317	512.0743
18597	98.4959	499.5431	190.0962	91.7173	49.7384
21663	98.4440	1334.9931	249.2728	374.6519	167.2969
21654	98.4440	611.2753	171.5647	201.7092	64.9493
923	98.4440	90.8740	16.6163	16.7889	18.4273
18349	98.4440	478.1215	106.8624	173.0242	57.0200
15189	98.4440	1742.6363	442.7734	328.3733	338.7748
5297	98.3921	615.3920	146.7141	202.9419	86.0200
355	98.3921	144.1484	66.8185	9.0417	25.8332
19085	98.3402	105.9926	7.1071	51.9125	13.5311
14213	98.3402	81.8985	39.5920	5.9781	18.6993
15349	98.3402	33.7044	5.1757	5.5100	7.7175
606	98.1846	51.3164	25.3613	-42.5922	30.7423
9423	98.1328	553.7720	184.8660	164.9800	70.6014
23871	98.0809	97.1849	16.2049	41.7192	22.3572
17908	98.0290	175.6236	70.8006	43.3557	32.3530
24235	97.7178	502.2883	120.4755	200.2612	69.1510
16168	97.6660	419.3260	99.7763	174.7149	51.2477
23868	97.6141	878.2495	232.1880	212.7525	223.4270
4407	97.4585	149.4351	30.5043	76.4713	20.9009
21445	97.3548	101.0935	31.3816	10.1848	21.8312
16248	97.3548	137.3399	55.4662	59.6988	28.2691
12580	97.2510	39.1018	3.7604	19.4473	9.3645
21063	97.0954	269.1979	68.9186	138.1918	40.8935
2555	96.9917	102.6296	18.5182	45.7962	22.3728
15580	96.8880	20.8356	3.6311	57.5401	27.3956
21657	96.5249	1417.1173	72.5551	952.3487	227.6092
857	96.1100	28.9336	7.8593	10.3651	7.6321
12031	95.9025	122.3580	16.6208	79.3065	16.2251
13420	95.8506	741.9540	177.3292	447.9899	97.0308
21975	95.6950	379.2371	82.7804	179.8726	77.7814
18654	94.9170	91.0856	22.2450	218.8543	64.7382
22670	94.9170	87.7800	10.8918	58.5102	22.1820
15372	94.8133	276.3340	31.1240	196.9995	35.3333
23166	94.5539	174.9606	35.0933	108.1004	29.0997
21772	94.5021	31.5186	6.3787	53.9458	13.9213
17217	94.1390	220.3939	63.2378	406.5476	79.2552
20461	93.5166	39.6906	11.3937	86.3883	45.2957
1495	93.2054	58.7065	13.0068	97.8139	21.3675
20702	93.1017	62.6646	15.8674	150.4033	64.8806
6980	93.0498	73.5706	20.6392	148.6863	42.9104
12364	92.7386	78.0485	30.5955	150.6970	39.5405
22406	92.5311	32.1614	7.8468	71.1168	25.7014
15190	92.2977	1513.5051	492.4513	233.0620	318.7829
1609	92.2977	2384.3983	748.6648	861.9603	250.1131
11114	92.2459	107.3391	45.4225	30.9844	37.0615
18695	92.2459	186.5778	60.9505	34.3160	37.8180
23872	92.1940	254.0449	68.2202	53.3226	76.4607
11258	92.1421	76.6668	51.8112	7.9910	23.7166

TABLE 5Y: ISOPROTERENOL

Atty. Ref. 44921-5090-01-WO/2105485

Timepoint(s): 3, 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
24431	92.0902	246.7884	51.7590	75.3299	74.6725
357	92.0384	131.7186	56.3783	24.7360	14.8555
24219	91.9865	700.8180	165.0733	293.2780	76.0644
8664	91.9346	449.4940	184.1137	121.8197	232.3482
79	91.9087	12.5920	13.4528	46.8587	17.6624
2629	91.7790	79.7505	28.9873	21.0142	16.1187
23869	91.6234	191.3961	43.7164	41.5583	60.3323
2628	91.6234	50.0411	22.4365	9.9134	14.5363
13930	91.5716	341.2365	123.7107	109.7446	63.8078
16081	91.4678	283.1665	71.6150	86.3178	64.8101
16173	91.4678	135.4999	115.5643	12.7211	22.2919
21653	91.4678	256.8784	47.5480	115.5382	39.5117
15558	91.2863	400.9904	54.7628	284.1459	67.0559
24234	91.2604	178.7678	52.1777	76.5083	31.2171
17301	91.2344	244.7880	65.1023	503.6495	155.3687
1171	91.1826	12.3360	7.3422	42.4541	18.2492
19086	91.1566	182.9205	84.7158	74.4652	25.8672
3337	90.9751	32.8491	7.7769	56.5652	15.7571
15618	90.9492	170.6329	45.1415	99.3937	20.2053
5384	90.8973	221.5421	77.2111	41.6013	55.6977
25264	90.8973	227.0814	69.5155	87.0662	38.0346
21683	90.8454	148.5981	40.5336	48.4630	35.2076
16080	90.7936	127.7414	44.5598	16.1566	40.0453
15708	90.6898	37.3911	38.2594	5.3283	17.9073
21682	90.6380	52.7226	24.3565	-9.6802	55.4380
19481	90.6120	60.8750	24.6242	130.6872	42.4070
20735	90.5861	206.9780	37.1741	101.6782	47.8880
13005	90.5861	40.8021	15.7360	18.3284	7.0857
6478	90.5861	25.7568	8.7839	5.2883	15.5425
1146	90.5083	44.9031	8.1407	26.2567	11.3719
15299	90.4305	197.4190	65.7521	89.0845	56.6466
244	90.3786	156.3640	46.9174	62.8042	43.9511
4327	90.3786	167.6989	32.2599	91.1153	27.1878
1844	90.3786	273.3641	60.0557	161.2621	33.1657
15301	90.2749	275.3141	71.8896	99.3702	83.5499
21696	90.1712	248.2800	45.9105	148.8757	35.6262
23715	90.1712	50.0364	19.5135	9.8703	25.3169
11530	90.1193	574.8966	215.2208	208.9971	171.5733
1742	90.0674	92.4420	22.6140	32.5742	21.6654
18396	90.0156	120.3561	28.1293	42.0418	30.9956
21709	89.8081	404.6953	99.5321	253.0117	57.5390
18389	89.7562	2201.3679	666.7713	822.4031	450.9286
19040	89.7562	479.3534	100.1299	253.0582	74.9023
20981	89.6784	7.4018	4.3907	22.2741	10.9001
11940	89.6006	45.3046	7.7585	25.0555	8.4377
16871	89.4450	36.4405	7.8425	83.1332	23.8242
11153	89.3932	810.0581	106.9252	466.5159	161.7207
25770	89.3932	312.4753	89.7107	158.6471	58.7619
15051	99.0664	443.4744	120.1727	118.1688	105.2816
14380	99.0145	109.7573	20.4326	393.4073	117.0146
15212	98.9627	247.3969	36.9788	55.3243	36.9133
11522	98.9627	578.4656	132.9934	132.2183	69.5679

TABLE 5Y: ISOPROTERENOL

Atty. Ref. 44921-5090-01-WO/2105485

Timepoint(s): 3, 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
10837	98.8071	313.3713	78.4539	83.4558	36.8555
3278	98.8071	657.2108	312.5556	98.5710	63.9682
22197	98.7552	318.3303	41.7592	117.6359	47.2927
9452	98.7552	2066.7979	515.2685	256.7530	195.9874
12979	98.6515	1450.3701	617.2876	307.5710	166.2674
6632	98.5996	264.5670	28.3884	123.5062	41.0642
23005	98.5996	429.3003	118.3420	92.8878	61.3990
16631	98.5996	454.1945	144.2120	63.0882	68.9947
12999	98.5477	2114.0113	468.0488	323.5830	261.2734
13634	98.5477	1799.7813	262.5017	816.4888	202.0960
22311	98.5477	430.7144	129.7666	141.0606	46.3543
21632	98.5477	635.4675	93.9765	199.9939	94.6385
23038	98.5477	223.4274	94.5228	19.4000	121.8662
16053	98.4959	688.2729	332.0089	114.3908	65.9618
23165	98.4959	511.6118	163.8996	162.7842	66.5254
10020	98.4959	245.6274	41.4642	116.6828	99.3943
11873	98.3921	526.2920	199.8569	146.4113	112.8255
13633	98.3921	720.9066	85.3469	341.2228	109.8750
4725	98.3921	702.0448	322.4170	82.7935	80.9031
12581	98.2884	104.9441	11.7630	46.5185	19.3381
2459	98.2884	1557.5773	429.6716	118.6922	268.2199
22667	98.2365	195.3284	32.8641	57.9737	39.4160
3823	98.1846	801.3471	113.8072	367.7490	92.1859
22666	98.1846	237.1916	41.8806	77.8696	37.2347
9583	98.0290	311.3110	95.8546	75.2475	55.2575
8477	97.9772	1390.6749	243.1126	591.4111	173.1700
20035	97.9253	475.5420	132.6227	167.5188	63.9564
657	97.8734	486.1475	140.5853	223.6214	55.7424
3014	97.8216	67.7219	23.1470	250.0182	74.2719
21019	97.8216	90.2080	16.7173	30.2218	21.6609
4285	97.8216	162.4419	20.6060	304.2127	62.7546
2708	97.7697	1175.8810	187.4086	654.7607	118.6857
22248	97.7178	884.1129	234.6878	357.8314	137.9962
22596	97.6660	118.2271	12.3468	69.8706	18.3731
23567	97.5104	182.7065	33.4229	45.1516	63.5584
5442	97.4585	144.7093	59.1476	432.4571	111.2343
22939	97.4066	-22.5254	16.7130	77.9927	39.0291
13460	97.3548	163.2601	30.5731	334.8609	66.5139
5461	97.1992	270.5833	66.6813	117.8721	40.8380
22378	97.0954	125.3759	37.6062	272.2137	61.3862
22711	97.0954	131.2524	15.0016	230.5375	46.7545
3434	97.0436	2080.6321	375.1512	754.8197	380.5227
11325	96.7842	18.5315	6.2871	67.2413	34.5907
14094	96.5249	62.1649	6.0106	101.0184	19.5343
2519	96.4730	115.4741	15.6764	66.6505	20.7364
7493	96.4212	180.9653	38.9298	78.5313	34.8173
7451	96.4212	550.1054	54.2374	375.8753	61.5990
4861	96.4212	86.1575	14.1922	174.6200	46.5278
22247	96.3693	1014.8936	169.8130	585.7927	159.2645
3738	96.3174	414.7075	62.2150	214.5883	63.7076
12233	96.3174	226.4356	57.4500	105.7821	47.8050

TABLE 5Z: Isoproterenol--Core Tox		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
20448	98.7552	735.8648	361.8894	74.8274	112.6130
12978	98.7552	352.9183	148.1483	76.0207	44.1639
15353	98.7552	81.3138	17.4250	18.8333	16.0010
10071	98.7033	821.1028	124.3194	261.6078	96.5124
15191	98.5996	2781.0180	387.0119	163.7317	512.0743
20449	98.5477	998.4564	497.2317	98.8724	167.8554
18597	98.4959	499.5431	190.0962	91.7173	49.7384
21663	98.4440	1334.9931	249.2728	374.6519	167.2969
21654	98.4440	611.2753	171.5647	201.7092	64.9493
923	98.4440	90.8740	16.6163	16.7889	18.4273
18349	98.4440	478.1215	106.8624	173.0242	57.0200
15189	98.4440	1742.6363	442.7734	328.3733	338.7748
5297	98.3921	615.3920	146.7141	202.9419	86.0200
355	98.3921	144.1484	66.8185	9.0417	25.8332
19085	98.3402	105.9926	7.1071	51.9125	13.5311
14213	98.3402	81.8985	39.5920	5.9781	18.6993
15349	98.3402	33.7044	5.1757	5.5100	7.7175
606	98.1846	51.3164	25.3613	-42.5922	30.7423
9423	98.1328	553.7720	184.8660	164.9800	70.6014
23871	98.0809	97.1849	16.2049	41.7192	22.3572
17908	98.0290	175.6236	70.8006	43.3557	32.3530
17161	98.0290	899.1763	458.1172	200.9148	106.0668
15002	97.9253	1147.2365	305.9131	202.0650	167.6146
15003	97.8734	1127.1396	424.1492	88.1165	165.1318
6477	97.7697	28.2950	13.0796	4.5515	17.6521
24235	97.7178	502.2883	120.4755	200.2612	69.1510
16168	97.6660	419.3260	99.7763	174.7149	51.2477
23868	97.6141	878.2495	232.1880	212.7525	223.4270
17401	97.4585	1283.2069	160.7080	602.9406	233.5276
4407	97.4585	149.4351	30.5043	76.4713	20.9009
21445	97.3548	101.0935	31.3816	10.1848	21.8312
16248	97.3548	137.3399	55.4662	59.6988	28.2691
12580	97.2510	39.1018	3.7604	19.4473	9.3645
11531	97.1992	1234.1090	315.0112	403.7401	287.9205
21063	97.0954	269.1979	68.9186	138.1918	40.8935
2555	96.9917	102.6296	18.5182	45.7962	22.3728
15580	96.8880	20.8356	3.6311	57.5401	27.3956
574	96.7324	1198.1129	265.6557	601.0594	148.9908
21657	96.5249	1417.1173	72.5551	952.3487	227.6092
857	96.1100	28.9336	7.8593	10.3651	7.6321
12031	95.9025	122.3580	16.6208	79.3065	16.2251
13420	95.8506	741.9540	177.3292	447.9899	97.0308
21975	95.6950	379.2371	82.7804	179.8726	77.7814
18654	94.9170	91.0856	22.2450	218.8543	64.7382
22670	94.9170	87.7800	10.8918	58.5102	22.1820
15372	94.8133	276.3340	31.1240	196.9995	35.3333
23166	94.5539	174.9606	35.0933	108.1004	29.0997
21772	94.5021	31.5186	6.3787	53.9458	13.9213
17217	94.1390	220.3939	63.2378	406.5476	79.2552
20461	93.5166	39.6906	11.3937	86.3883	45.2957
1495	93.2054	58.7065	13.0068	97.8139	21.3675
20702	93.1017	62.6646	15.8674	150.4033	64.8806

TABLE 5Z: Isoproterenol--Core Tox		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 3, 6 hrs		Mean Tox	SD Tox	Mean Nontox	SD Nontox
GLGC ID	LDA Score				
6980	93.0498	73.5706	20.6392	148.6863	42.9104
12364	92.7386	78.0485	30.5955	150.6970	39.5405
22406	92.5311	32.1614	7.8468	71.1168	25.7014
20743	92.4274	105.6991	15.2831	155.1691	27.9319
15190	92.2977	1513.5051	492.4513	233.0620	318.7829
1609	92.2977	2384.3983	748.6648	861.9603	250.1131
11114	92.2459	107.3391	45.4225	30.9844	37.0615
18695	92.2459	186.5778	60.9505	34.3160	37.8180
23872	92.1940	254.0449	68.2202	53.3226	76.4607
11258	92.1421	76.6668	51.8112	7.9910	23.7166
24431	92.0902	246.7884	51.7590	75.3299	74.6725
357	92.0384	131.7186	56.3783	24.7360	14.8555
24219	91.9865	700.8180	165.0733	293.2780	76.0644
8664	91.9346	449.4940	184.1137	121.8197	232.3482
79	91.9087	12.5920	13.4528	46.8587	17.6624
2629	91.7790	79.7505	28.9873	21.0142	16.1187
23869	91.6234	191.3961	43.7164	41.5583	60.3323
2628	91.6234	50.0411	22.4365	9.9134	14.5363
13930	91.5716	341.2365	123.7107	109.7446	63.8078
16081	91.4678	283.1665	71.6150	86.3178	64.8101
16173	91.4678	135.4999	115.5643	12.7211	22.2919
21653	91.4678	256.8784	47.5480	115.5382	39.5117
15558	91.2863	400.9904	54.7628	284.1459	67.0559
24234	91.2604	178.7678	52.1777	76.5083	31.2171
17301	91.2344	244.7880	65.1023	503.6495	155.3687
1171	91.1826	12.3360	7.3422	42.4541	18.2492
19086	91.1566	182.9205	84.7158	74.4652	25.8672
3337	90.9751	32.8491	7.7769	56.5652	15.7571
15618	90.9492	170.6329	45.1415	99.3937	20.2053
5384	90.8973	221.5421	77.2111	41.6013	55.6977
25264	90.8973	227.0814	69.5155	87.0662	38.0346
21683	90.8454	148.5981	40.5336	48.4630	35.2076
16080	90.7936	127.7414	44.5598	16.1566	40.0453
15708	90.6898	37.3911	38.2594	5.3283	17.9073
21682	90.6380	52.7226	24.3565	-9.6802	55.4380
19481	90.6120	60.8750	24.6242	130.6872	42.4070
20735	90.5861	206.9780	37.1741	101.6782	47.8880
13005	90.5861	40.8021	15.7360	18.3284	7.0857
6478	90.5861	25.7568	8.7839	5.2883	15.5425
1146	90.5083	44.9031	8.1407	26.2567	11.3719
17735	90.4824	2633.2529	624.1825	1096.1175	562.1722
15299	90.4305	197.4190	65.7521	89.0845	56.6466
244	90.3786	156.3640	46.9174	62.8042	43.9511
4327	90.3786	167.6989	32.2599	91.1153	27.1878
1844	90.3786	273.3641	60.0557	161.2621	33.1657
15301	90.2749	275.3141	71.8896	99.3702	83.5499
21696	90.1712	248.2800	45.9105	148.8757	35.6262
23715	90.1712	50.0364	19.5135	9.8703	25.3169
15051	99.0664	443.4744	120.1727	118.1688	105.2816
14380	99.0145	109.7573	20.4326	393.4073	117.0146
15212	98.9627	247.3969	36.9788	55.3243	36.9133
11522	98.9627	578.4656	132.9934	132.2183	69.5679

TABLE 5Z: Isoproterenol--Core Tox Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 3, 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
10837	98.8071	313.3713	78.4539	83.4558	36.8555
3278	98.8071	657.2108	312.5556	98.5710	63.9682
22197	98.7552	318.3303	41.7592	117.6359	47.2927
9452	98.7552	2066.7979	515.2685	256.7530	195.9874
12979	98.6515	1450.3701	617.2876	307.5710	166.2674
6632	98.5996	264.5670	28.3884	123.5062	41.0642
23005	98.5996	429.3003	118.3420	92.8878	61.3990
16631	98.5996	454.1945	144.2120	63.0882	68.9947
12999	98.5477	2114.0113	468.0488	323.5830	261.2734
13634	98.5477	1799.7813	262.5017	816.4888	202.0960
22311	98.5477	430.7144	129.7666	141.0606	46.3543
21632	98.5477	635.4675	93.9765	199.9939	94.6385
23038	98.5477	223.4274	94.5228	19.4000	121.8662
16053	98.4959	688.2729	332.0089	114.3908	65.9618
23165	98.4959	511.6118	163.8996	162.7842	66.5254
10020	98.4959	245.6274	41.4642	116.6828	99.3943
11873	98.3921	526.2920	199.8569	146.4113	112.8255
13633	98.3921	720.9066	85.3469	341.2228	109.8750
4725	98.3921	702.0448	322.4170	82.7935	80.9031
18830	98.3402	7951.0865	1512.4960	3660.0327	894.6208
12581	98.2884	104.9441	11.7630	46.5185	19.3381
2459	98.2884	1557.5773	429.6716	118.6922	268.2199
22667	98.2365	195.3284	32.8641	57.9737	39.4160
3823	98.1846	801.3471	113.8072	367.7490	92.1859
22666	98.1846	237.1916	41.8806	77.8696	37.2347
9583	98.0290	311.3110	95.8546	75.2475	55.2575
8477	97.9772	1390.6749	243.1126	591.4111	173.1700
15004	97.9253	1643.2824	595.2255	326.5114	242.7752
22432	97.9253	247.4485	31.3929	123.2399	35.0023
20035	97.9253	475.5420	132.6227	167.5188	63.9564
657	97.8734	486.1475	140.5853	223.6214	55.7424
3014	97.8216	67.7219	23.1470	250.0182	74.2719
21019	97.8216	90.2080	16.7173	30.2218	21.6609
4285	97.8216	162.4419	20.6060	304.2127	62.7546
20086	97.7697	672.3814	66.6413	325.3166	119.2784
2708	97.7697	1175.8810	187.4086	654.7607	118.6857
21796	97.7178	588.2593	92.7064	266.3687	88.3268
22248	97.7178	884.1129	234.6878	357.8314	137.9962
22596	97.6660	118.2271	12.3468	69.8706	18.3731
23567	97.5104	182.7065	33.4229	45.1516	63.5584
5442	97.4585	144.7093	59.1476	432.4571	111.2343
22939	97.4066	-22.5254	16.7130	77.9927	39.0291
13460	97.3548	163.2601	30.5731	334.8609	66.5139
5461	97.1992	270.5833	66.6813	117.8721	40.8380
22378	97.0954	125.3759	37.6062	272.2137	61.3862
22711	97.0954	131.2524	15.0016	230.5375	46.7545
3434	97.0436	2080.6321	375.1512	754.8197	380.5227
11325	96.7842	18.5315	6.2871	67.2413	34.5907
14094	96.5249	62.1649	6.0106	101.0184	19.5343
4420	96.5249	259.2045	27.0460	447.5475	93.3492
2519	96.4730	115.4741	15.6764	66.6505	20.7364
7493	96.4212	180.9653	38.9298	78.5313	34.8173

TABLE 5Z: Isoproterenol--Core Tox		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
7451	96.4212	550.1054	54.2374	375.8753	61.5990
4861	96.4212	86.1575	14.1922	174.6200	46.5278
22247	96.3693	1014.8936	169.8130	585.7927	159.2645
3738	96.3174	414.7075	62.2150	214.5883	63.7076
12233	96.3174	226.4356	57.4500	105.7821	47.8050

TABLE 5AA: MINOXIDIL		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24, 360 hrs		Mean Tox	SD Tox	Mean Nontox	SD Nontox
GLGC ID	LDA Score				
17159	97.9296	1535.1755	76.9139	1018.2949	243.6029
13486	94.7205	111.6373	12.2897	62.1586	24.2603
19101	92.5983	122.8642	21.7259	204.4361	48.1276
4739	92.3395	86.8648	11.3728	57.5600	18.1403
18352	91.7184	1509.5612	194.6524	1119.9762	225.6242
17257	91.4596	489.6277	39.4658	363.6353	115.5172
20889	89.9068	191.0543	22.3705	290.7158	82.0058
19077	89.8551	104.0118	22.2276	64.1095	30.6956
653	89.8033	58.0272	12.7224	113.7814	42.1623
22306	89.8033	118.8083	6.6397	97.5426	27.7850
20519	89.6480	247.3042	32.4829	184.0616	41.4326
2114	89.5445	102.2935	19.1370	63.3928	27.2316
278	89.3375	28.2742	1.4531	21.2334	10.4896
24849	89.1304	57.0278	15.2284	26.7227	18.9685
23481	88.6128	180.5617	37.1558	279.0484	69.0602
15247	88.3540	594.1170	90.9858	1036.0101	387.3794
4556	88.3023	57.4057	5.5534	73.5059	14.2452
4447	88.2505	6.5295	4.3706	22.5996	11.6781
21830	88.1988	22.2358	13.4090	6.4232	13.2608
22845	87.9917	972.4108	249.9982	663.3576	133.7391
14004	87.9917	6.1840	3.9783	20.6089	11.3367
1496	87.8882	38.5365	3.3711	30.4905	10.1674
19279	87.7329	148.6213	8.3623	175.1188	22.8916
24329	87.6294	177.1675	35.5945	115.9628	50.3133
3446	87.6294	21.0733	5.0581	35.2549	11.3903
22584	87.6294	27.7973	1.6250	30.4191	13.5657
1324	87.2153	461.6210	49.8053	604.8895	117.9678
16217	87.1118	3824.9220	882.7480	2319.0562	624.0469
15049	87.1118	4504.9502	852.5258	3170.1238	567.3331
1323	87.1118	74.5447	34.6738	184.6947	78.3095
18499	87.0600	149.7308	36.8585	84.3176	23.5573
18317	86.8530	266.9008	101.6113	637.2423	290.5617
24232	86.7495	107.0823	23.2712	53.3905	21.7130
17136	86.6977	765.2605	188.8314	518.4444	370.7999
15203	86.5424	209.2850	18.7806	175.4825	31.2844
15767	86.5424	153.3083	19.9098	214.1710	51.9186
20619	86.5424	8.4417	3.6252	22.0994	13.3336
24470	86.4907	5199.1175	1173.8016	3543.3523	655.6704
638	86.3872	220.1460	41.7079	154.1979	27.6018
20704	86.2836	55.3490	10.3700	38.4184	13.4073
38	86.2836	39.8378	5.5516	26.8456	15.6675
1495	86.2836	78.0432	7.0184	97.6129	21.6056
8597	86.1284	196.5925	21.7031	158.7965	41.7885
16220	86.0248	3307.8400	955.9316	1861.1020	637.3267
3015	85.7660	3456.6195	319.6428	2832.5081	571.0351
15273	85.7660	7.8428	8.3445	41.9616	33.9196
25802	85.7143	870.9612	173.0430	599.6281	153.6135
24676	85.6625	78.1665	66.5388	29.2018	42.2911
15052	85.6625	2988.2460	1447.5559	2738.9965	641.1183
6425	85.6625	133.3380	19.8127	171.6206	37.1599
24854	85.6108	9986.6790	3057.9794	5883.6151	2004.8095
20243	85.6108	102.1265	13.6846	145.6152	39.4919

TABLE 5AA: MINOXIDIL		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24, 360 hrs		Mean Tox	SD Tox	Mean Nontox	SD Nontox
GLGC ID	LDA Score				
18066	85.6108	29.1457	2.4528	24.3851	10.5830
4748	85.5590	10.3340	6.7481	44.5435	44.7903
23347	85.5072	51.3743	12.1529	75.7981	18.3704
25743	85.4555	10896.4638	3468.3621	6169.2740	2236.3347
225	85.4555	118.1477	6.9233	100.7150	24.0142
13723	85.4037	5941.5757	1135.6019	4146.5143	930.0375
18400	85.4037	23.9422	3.9205	35.5996	11.7212
15693	85.3520	41.9673	17.0293	11.3160	12.6595
19053	85.3520	7254.8842	1634.9432	4760.8397	1174.8799
18175	85.3520	1215.6852	370.8997	1104.2417	184.1830
7125	85.3002	6166.8172	1368.3779	4046.9460	1056.8198
16135	85.2484	10911.3320	3922.1706	5965.1645	2441.7735
2008	85.2484	27.9260	9.9940	62.6626	33.8959
20579	85.2484	297.5433	17.8361	330.2801	72.3142
25470	85.1967	48.7750	31.1751	113.5910	50.2175
15829	85.0932	9.4337	4.3052	51.1893	73.5987
492	85.0932	278.1547	97.2279	204.4257	142.3758
17160	85.0414	2458.4503	584.9161	1701.4877	418.3734
15688	85.0414	20.8720	10.3842	3.8851	12.5812
2006	85.0414	15.7493	11.3731	48.6313	34.3839
1426	84.9896	138.3758	10.2143	164.7051	26.7628
14694	84.8861	8305.6658	1969.5601	5139.4218	1603.5780
1473	84.8344	55.8370	61.7688	87.6367	37.7793
20856	84.8344	894.7287	94.8152	1096.4226	186.9748
574	84.7826	891.9672	157.5993	604.1970	157.9704
457	84.7826	248.1988	59.0873	158.7303	42.8702
8417	84.7826	6221.1195	1255.4826	4274.3303	1041.5922
21715	84.7826	22.1428	13.6070	16.2253	8.1616
19962	84.7826	226.9462	21.9785	185.0458	47.1174
17146	84.7826	-18.3883	21.4537	25.1069	46.3683
12349	84.7308	10182.5327	2968.3730	6241.6225	2082.2998
14973	84.6791	-6.8377	19.9513	35.9551	37.2450
20554	84.6791	95.3840	10.5063	75.2273	36.9955
16476	84.6273	8890.1327	2400.0048	5819.3897	1786.9339
18761	84.5756	280.9035	65.6858	183.3302	52.5721
1352	84.5756	29.7100	6.0583	42.8774	11.5999
15106	84.4720	2774.0492	1085.5440	2609.7190	530.2224
22567	84.4203	126.3540	15.3602	99.1372	25.0108
17039	84.3685	289.4128	117.4056	481.3267	112.7896
16017	84.3685	134.7493	10.8127	116.8148	30.1731
18956	84.3685	127.6873	13.5706	174.9933	58.0411
1852	84.3168	3436.9930	678.2439	2513.5506	495.5841
23895	84.2650	26.6828	4.2999	17.5019	8.6704
25679	84.2650	1560.7147	84.3130	1414.3321	275.4721
1502	84.2133	42.7670	3.5109	53.1598	20.5090
7602	84.1615	686.2697	64.4793	525.7856	87.1102
15343	84.1615	116.0975	11.6612	141.1608	26.3964
23585	84.1097	32.9085	23.8997	26.0858	10.7947
19006	94.7205	1785.7690	198.2123	1058.7331	328.0473
8815	94.2547	388.5743	27.2550	259.0826	76.3901
11723	93.9441	55.8792	10.0073	4.4362	31.9769
15365	93.8923	1108.1207	492.5541	1030.5675	215.3048

TABLE 5AA: MINOXIDIL		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24, 360 hrs		Mean Tox	SD Tox	Mean Nontox	SD Nontox
GLGC ID	LDA Score				
2088	92.9607	485.9728	85.8473	307.2277	85.7764
22691	92.6501	1390.9820	238.5001	919.3204	239.7806
14869	92.1325	123.3242	6.6322	88.7640	36.0959
16984	92.1325	329.9662	62.9378	602.8346	177.1319
6168	92.0807	76.9700	5.1471	53.9067	19.3694
19004	91.8219	1833.6993	213.7395	1107.2121	448.3080
4177	91.7702	322.1253	33.4508	486.6640	117.9772
20632	91.6149	91.8260	37.3026	192.7485	55.4387
13427	91.2526	4.5580	12.9423	23.9666	12.5307
2541	90.8903	67.8027	17.9265	24.7398	26.4131
2534	90.8385	28.0445	4.0410	47.2322	13.7237
9806	90.4762	10.4643	11.4493	34.3519	14.8863
12298	90.3209	86.3223	32.0470	161.8749	46.4191
17013	90.2174	85.4747	9.4603	122.4431	30.6685
13627	90.0104	75.7057	5.4585	55.9724	31.3140
8039	89.8033	183.8938	14.1961	139.0876	49.8228
9914	89.6998	-0.4020	34.7773	72.2003	56.1763
8854	89.6480	67.5712	6.2645	50.3999	28.1094
5421	89.5963	374.9627	38.3972	283.4432	148.7481
11791	89.5445	108.2222	7.7685	139.8817	32.9493
7842	89.5445	2.6935	8.9314	25.5130	14.7431
12346	89.5445	472.4318	59.0587	678.7885	440.2343
2612	89.4410	36.9472	5.5990	57.8448	17.5537
13622	89.0787	375.5315	43.6054	253.3860	94.4454
5983	88.9752	311.8697	61.2478	585.0836	201.7810
18643	88.8716	239.7207	20.7273	306.2247	60.9991
22033	88.8716	132.9733	8.2770	174.4417	52.8980
5007	88.8716	572.3495	40.5614	739.8550	164.1606
7011	88.7681	236.2587	24.5283	327.1433	72.6244
12305	88.7164	184.9173	25.1616	131.5672	39.8234
3904	88.5611	227.7152	28.3711	135.5882	94.2873
6649	88.5611	-10.8562	23.5637	32.7590	148.9578
3836	88.5093	3826.9087	290.6592	2981.9296	664.5439
498	88.4576	888.2553	81.8895	700.3447	149.0531
17330	88.2505	91.7602	13.7975	59.3632	23.0230
7852	88.2505	106.6953	105.2722	312.2733	70.4524
23027	88.1988	45.5408	2.7099	52.7099	36.7406
9305	88.0952	123.7258	5.2230	142.3025	30.6411
26114	87.9917	219.1497	24.9829	210.3639	119.0981
13928	87.9400	333.4505	72.3694	529.8971	149.5635
6455	87.8882	314.3333	78.4011	196.3007	97.3929
22942	87.8364	134.9742	30.7739	193.5716	44.6292
22882	87.8364	100.1367	30.4959	165.3614	46.6765

TABLE 5BB: Minoxidil--Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24, 360 hrs						
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox	
17159	97.9296	1535.1755	76.9139	1018.2949	243.6029	
13486	94.7205	111.6373	12.2897	62.1586	24.2603	
21239	94.3064	22.3625	26.2908	120.0252	63.2600	
16426	93.7371	2794.4317	568.1511	1664.8534	493.6781	
20740	93.3230	658.5560	67.8767	450.2627	144.3448	
21818	93.2195	67.1282	17.1294	35.9466	17.7241	
19101	92.5983	122.8642	21.7259	204.4361	48.1276	
4739	92.3395	86.8648	11.3728	57.5600	18.1403	
18352	91.7184	1509.5612	194.6524	1119.9762	225.6242	
17257	91.4596	489.6277	39.4658	363.6353	115.5172	
25094	90.8903	180.9713	12.3123	130.5678	45.9415	
22762	90.5797	16.6943	4.8300	38.5006	16.7286	
15098	90.5797	40.3148	6.5807	80.3784	48.0732	
20889	89.9068	191.0543	22.3705	290.7158	82.0058	
19077	89.8551	104.0118	22.2276	64.1095	30.6956	
653	89.8033	58.0272	12.7224	113.7814	42.1623	
22306	89.8033	118.8083	6.6397	97.5426	27.7850	
20519	89.6480	247.3042	32.4829	184.0616	41.4326	
2114	89.5445	102.2935	19.1370	63.3928	27.2316	
278	89.3375	28.2742	1.4531	21.2334	10.4896	
4749	89.3375	118.0348	10.6809	199.1591	80.4388	
24849	89.1304	57.0278	15.2284	26.7227	18.9685	
24106	89.1304	16.5707	2.1016	27.3165	10.7777	
15569	88.9752	515.0702	33.0112	450.4971	188.3790	
23481	88.6128	180.5617	37.1558	279.0484	69.0602	
15247	88.3540	594.1170	90.9858	1036.0101	387.3794	
4556	88.3023	57.4057	5.5534	73.5059	14.2452	
4447	88.2505	6.5295	4.3706	22.5996	11.6781	
21830	88.1988	22.2358	13.4090	6.4232	13.2608	
22845	87.9917	972.4108	249.9982	663.3576	133.7391	
14004	87.9917	6.1840	3.9783	20.6089	11.3367	
18500	87.8882	417.7607	156.7008	261.4327	60.1646	
2005	87.8882	15.2705	9.9215	40.6188	18.0238	
1496	87.8882	38.5365	3.3711	30.4905	10.1674	
19279	87.7329	148.6213	8.3623	175.1188	22.8916	
24329	87.6294	177.1675	35.5945	115.9628	50.3133	
3446	87.6294	21.0733	5.0581	35.2549	11.3903	
22584	87.6294	27.7973	1.6250	30.4191	13.5657	
1514	87.3706	350.3045	76.6199	236.9005	131.7093	
1324	87.2153	461.6210	49.8053	604.8895	117.9678	
16217	87.1118	3824.9220	882.7480	2319.0562	624.0469	
15049	87.1118	4504.9502	852.5258	3170.1238	567.3331	
22773	87.1118	770.9792	186.8368	456.0336	110.1548	
1323	87.1118	74.5447	34.6738	184.6947	78.3095	
16130	87.0600	11743.3033	4153.6583	5911.3587	2296.0001	
18499	87.0600	149.7308	36.8585	84.3176	23.5573	
25319	86.9565	15949.7140	5786.8404	8021.2090	3356.7757	
18317	86.8530	266.9008	101.6113	637.2423	290.5617	
24232	86.7495	107.0823	23.2712	53.3905	21.7130	
17136	86.6977	765.2605	188.8314	518.4444	370.7999	
15203	86.5424	209.2850	18.7806	175.4825	31.2844	
15767	86.5424	153.3083	19.9098	214.1710	51.9186	

TABLE 5BB: Minoxidil-Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24, 360 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
20619	86.5424	8.4417	3.6252	22.0994	13.3336
24470	86.4907	5199.1175	1173.8016	3543.3523	655.6704
8641	86.4907	206.6823	28.5084	319.4634	102.2740
25050	86.3872	9783.8722	2938.9524	4904.4341	1867.2089
638	86.3872	220.1460	41.7079	154.1979	27.6018
20704	86.2836	55.3490	10.3700	38.4184	13.4073
38	86.2836	39.8378	5.5516	26.8456	15.6675
1495	86.2836	78.0432	7.0184	97.6129	21.6056
14983	86.1801	15391.6560	5866.9293	7271.2874	3760.1150
17908	86.1801	14.8280	7.8844	44.6283	34.9133
8597	86.1284	196.5925	21.7031	158.7965	41.7885
16220	86.0248	3307.8400	955.9316	1861.1020	637.3267
20848	86.0248	1885.2807	179.2060	1611.7709	278.3017
18644	85.9213	6525.7058	2192.4313	3783.2014	1348.4227
600	85.9213	263.1263	18.4761	327.9509	63.1450
3015	85.7660	3456.6195	319.6428	2832.5081	571.0351
15273	85.7660	7.8428	8.3445	41.9616	33.9196
16312	85.7660	36.0062	8.4127	68.2350	37.3538
15886	85.7660	489.1110	29.4380	405.7301	96.6313
21583	85.7143	649.1815	148.8583	367.9905	122.3493
25802	85.7143	870.9612	173.0430	599.6281	153.6135
24676	85.6625	78.1665	66.5388	29.2018	42.2911
15052	85.6625	2988.2460	1447.5559	2738.9965	641.1183
6425	85.6625	133.3380	19.8127	171.6206	37.1599
19421	85.6108	10187.8595	2889.2061	5515.1032	2050.0750
24854	85.6108	9986.6790	3057.9794	5883.6151	2004.8095
20243	85.6108	102.1265	13.6846	145.6152	39.4919
18066	85.6108	29.1457	2.4528	24.3851	10.5830
4748	85.5590	10.3340	6.7481	44.5435	44.7903
15185	85.5072	1365.5805	220.1448	930.1042	185.4481
23347	85.5072	51.3743	12.1529	75.7981	18.3704
25743	85.4555	10896.4638	3468.3621	6169.2740	2236.3347
225	85.4555	118.1477	6.9233	100.7150	24.0142
25439	85.4037	9451.4727	3142.0210	5039.2187	2135.4098
13723	85.4037	5941.5757	1135.6019	4146.5143	930.0375
18400	85.4037	23.9422	3.9205	35.5996	11.7212
15693	85.3520	41.9673	17.0293	11.3160	12.6595
19053	85.3520	7254.8842	1634.9432	4760.8397	1174.8799
18175	85.3520	1215.6852	370.8997	1104.2417	184.1830
7125	85.3002	6166.8172	1368.3779	4046.9460	1056.8198
16135	85.2484	10911.3320	3922.1706	5965.1645	2441.7735
2008	85.2484	27.9260	9.9940	62.6626	33.8959
20579	85.2484	297.5433	17.8361	330.2801	72.3142
16001	85.1967	15974.5118	5460.2030	8722.9676	3508.9738
25470	85.1967	48.7750	31.1751	113.5910	50.2175
15829	85.0932	9.4337	4.3052	51.1893	73.5987
21152	85.0932	13313.3515	3985.4397	7030.1502	2975.0295
25051	85.0932	10025.3403	2691.1454	5378.7115	1991.5350
4330	99.6894	1252.8993	159.2015	451.2431	125.8274
14668	96.0145	112.8827	12.5993	59.0254	21.3859
2757	95.5487	1366.7942	213.6854	812.0674	245.0921
19006	94.7205	1785.7690	198.2123	1058.7331	328.0473

TABLE 5BB: Minoxidil-Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24, 360 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
8815	94.2547	388.5743	27.2550	259.0826	76.3901
11723	93.9441	55.8792	10.0073	4.4362	31.9769
15365	93.8923	1108.1207	492.5541	1030.5675	215.3048
18831	93.8923	3436.3307	405.7014	2495.9422	667.4217
2088	92.9607	485.9728	85.8473	307.2277	85.7764
19480	92.9089	2041.7307	65.2682	1674.6607	379.8807
3088	92.8054	36.3220	2.5840	55.6612	29.2505
22691	92.6501	1390.9820	238.5001	919.3204	239.7806
24128	92.6501	298.9320	9.0540	234.2646	172.1699
22915	92.3913	157.3257	6.9909	129.3154	27.7499
14869	92.1325	123.3242	6.6322	88.7640	36.0959
16984	92.1325	329.9662	62.9378	602.8346	177.1319
6168	92.0807	76.9700	5.1471	53.9067	19.3694
6638	91.9772	100.7265	19.7930	178.9038	53.2986
19004	91.8219	1833.6993	213.7395	1107.2121	448.3080
4177	91.7702	322.1253	33.4508	486.6640	117.9772
20632	91.6149	91.8260	37.3026	192.7485	55.4387
16124	91.3043	131.6897	19.9910	232.3437	95.2916
13427	91.2526	4.5580	12.9423	23.9666	12.5307
2541	90.8903	67.8027	17.9265	24.7398	26.4131
2534	90.8385	28.0445	4.0410	47.2322	13.7237
6282	90.6832	222.7068	17.6865	161.6796	56.2408
9806	90.4762	10.4643	11.4493	34.3519	14.8863
5969	90.3727	289.7607	31.3499	429.4605	123.9606
12298	90.3209	86.3223	32.0470	161.8749	46.4191
3014	90.2174	167.0213	17.4882	249.0241	75.7553
17013	90.2174	85.4747	9.4603	122.4431	30.6685
13627	90.0104	75.7057	5.4585	55.9724	31.3140
8039	89.8033	183.8938	14.1961	139.0876	49.8228
9914	89.6998	-0.4020	34.7773	72.2003	56.1763
8854	89.6480	67.5712	6.2645	50.3999	28.1094
5421	89.5963	374.9627	38.3972	283.4432	148.7481
1802	89.5963	104.6767	14.1076	154.3923	40.2828
21581	89.5963	712.2452	73.1184	560.6088	118.9825
11791	89.5445	108.2222	7.7685	139.8817	32.9493
7842	89.5445	2.6935	8.9314	25.5130	14.7431
12346	89.5445	472.4318	59.0587	678.7885	440.2343
2612	89.4410	36.9472	5.5990	57.8448	17.5537
13622	89.0787	375.5315	43.6054	253.3860	94.4454
5983	88.9752	311.8697	61.2478	585.0836	201.7810
18643	88.8716	239.7207	20.7273	306.2247	60.9991
22033	88.8716	132.9733	8.2770	174.4417	52.8980
5007	88.8716	572.3495	40.5614	739.8550	164.1606
7011	88.7681	236.2587	24.5283	327.1433	72.6244
12305	88.7164	184.9173	25.1616	131.5672	39.8234
3904	88.5611	227.7152	28.3711	135.5882	94.2873
6649	88.5611	-10.8562	23.5637	32.7590	148.9578
3836	88.5093	3826.9087	290.6592	2981.9296	664.5439
498	88.4576	888.2553	81.8895	700.3447	149.0531
17330	88.2505	91.7602	13.7975	59.3632	23.0230
7852	88.2505	106.6953	105.2722	312.2733	70.4524
18047	88.1988	156.8232	3.9296	167.4510	38.3251

TABLE 5BB: Minoxidil-Core Tox Markers Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24, 360 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23027	88.1988	45.5408	2.7099	52.7099	36.7406
23596	88.1470	216.1497	32.2812	306.1806	67.1082
9305	88.0952	123.7258	5.2230	142.3025	30.6411
20038	88.0952	135.2602	21.1150	199.3672	51.0314
26114	87.9917	219.1497	24.9829	210.3639	119.0981
13928	87.9400	333.4505	72.3694	529.8971	149.5635
6455	87.8882	314.3333	78.4011	196.3007	97.3929
18826	87.8882	683.4078	108.4593	1028.9475	264.7740
22942	87.8364	134.9742	30.7739	193.5716	44.6292
22882	87.8364	100.1367	30.4959	165.3614	46.6765

TABLE 5CC: NOREPINEPHRINE		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24 hrs		Mean Tox	SD Tox	Mean Nontox	SD Nontox
GLGC ID	LDA Score				
20863	99.6904	57.5080	1.2093	152.0204	49.7409
17431	99.1228	474.9520	1.4949	437.1764	108.1993
21951	98.6584	69.3167	0.1386	77.8674	18.0240
17211	98.0392	2705.5817	23.7082	2036.3654	574.6117
17648	97.9876	167.4683	0.6089	178.3401	43.2454
17808	97.9360	1712.9783	24.2555	1271.1624	255.7192
14983	97.9360	9490.9897	246.4261	7314.6962	3829.3447
19411	97.8844	100.8437	0.4210	112.6130	36.6267
20357	97.7812	41.3160	1.5967	92.4611	37.0762
10660	97.6780	71.1927	0.3765	68.2986	17.8215
20844	97.4200	2095.0633	27.4653	1583.7326	367.3536
17298	97.4200	197.8003	1.1728	202.4156	46.4171
2811	97.4200	54.3710	1.4083	86.9006	26.2123
16924	97.2136	325.3807	6.4975	225.0529	107.4393
23357	97.1620	127.7170	1.0540	144.3015	32.4500
17991	97.0072	13.6307	0.6479	26.1271	9.2577
21801	97.0072	191.3690	1.7931	160.2509	36.7703
5049	96.9556	453.6563	28.9136	737.2678	170.4712
21087	96.8524	20.9507	0.6866	27.2381	320.9153
20746	96.8524	575.6373	6.1367	491.5957	121.8270
18221	96.5944	137.9597	2.3388	189.7786	52.6548
17757	96.5428	147.7873	1.3945	128.8930	28.2779
14924	96.4396	51.8627	1.3141	38.0575	24.1160
25643	96.1300	105.8687	1.0779	127.2940	27.8507
13489	95.9752	6.2677	1.7932	21.3974	9.1426
20386	95.7172	265.7490	2.9274	333.1644	84.5056
19768	95.7172	674.4197	8.5199	796.3149	122.8559
15996	95.6140	105.4843	2.2465	154.0898	79.1755
2812	95.6140	63.1260	1.6503	89.8743	24.9196
194	95.5624	24.1963	0.4803	19.9540	14.3888
2696	95.5624	1762.8073	31.4524	1422.2921	365.6896
16070	95.4592	50.8690	1.5166	71.7919	28.5871
20235	95.4592	37.5317	1.8408	47.0293	26.5541
2632	95.4076	167.9587	1.6753	186.7841	29.5856
13647	95.3560	1105.3833	354.4977	561.0303	204.2384
571	95.3560	79.6580	3.0611	97.1701	46.0338
16001	95.3560	11808.5667	498.3945	8758.3158	3566.9879
15772	95.3044	20.7357	0.4255	25.8650	10.5094
16507	95.2012	102.8060	2.9377	144.1605	46.3039
15384	95.0464	26.9193	2.2940	48.4330	18.7361
15202	94.9948	1630.9773	97.0261	1017.4003	358.3999
19694	94.8400	35.2940	1.0696	39.4846	18.5360
18076	94.7884	0.4443	1.5758	32.3208	28.9133
15450	94.7884	14.0293	0.5515	20.3809	6.5776
23343	94.7884	22.5627	0.8490	30.7679	10.1335
24644	94.6852	48.7800	35.4267	59.7429	17.0549
16292	94.5820	55.0530	4.1845	23.2692	28.5015
14966	94.5820	92.8293	8.8838	39.4153	46.0119
25547	94.5304	260.6713	11.4421	355.9494	129.4296
17875	94.4788	20.1533	1.4421	2.7236	25.5290
20945	94.4788	2040.6570	88.0696	1595.1554	294.2624
15380	94.4272	1863.6317	378.2755	935.9807	366.6477

TABLE 5CC: NOREPINEPHRINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
17729	94.3756	1776.1277	125.5025	1324.7848	228.2950
5050	94.3756	346.5397	15.9769	516.2596	120.7928
1299	94.3756	232.6140	23.9980	115.5967	73.0578
20994	94.3756	138.7977	2.4628	119.6022	30.7760
11350	94.3240	31.5207	1.8216	63.4682	29.9900
24609	94.2724	21.7690	0.8361	37.0927	240.4283
20975	94.2724	97.1543	6.9311	148.5012	38.4501
16139	94.2208	131.1017	1.4153	140.0184	32.8568
25110	94.2208	66.0483	2.2815	84.1086	16.1268
19321	94.1692	221.5020	2.7681	249.6174	41.8258
25137	94.1692	25.3893	0.8747	34.1161	11.2576
1977	94.0144	318.8380	83.1405	552.5388	109.7705
5837	94.0144	20.2693	20.7539	108.6565	64.8043
13090	93.9628	75.7560	2.9234	99.2587	42.8080
19888	93.9628	183.8520	7.2264	133.6778	51.2786
18365	93.9112	88.5537	2.3153	112.8918	77.1579
15911	93.9112	134.4520	7.6642	194.2536	44.9941
4615	93.8596	884.0333	50.4101	586.9161	207.1906
4035	93.8596	79.2893	2.2117	89.5571	32.1003
21989	93.8080	87.8107	1.1828	98.5063	18.7718
1283	93.7564	90.1383	2.9178	110.1922	40.4636
25262	93.7564	44.5400	1.0002	42.3342	14.5553
17653	93.7564	24.3393	0.6370	26.8303	11.6319
22499	93.7564	32.1947	2.0163	20.9150	12.1488
16715	93.7049	21.5823	1.3680	15.6291	12.6757
15761	93.6533	12.5080	2.4564	32.0276	15.4752
16382	93.6533	81.5550	2.0418	97.3052	31.9369
19152	93.6533	78.5820	1.4082	90.5775	21.3603
23083	93.6017	51.3330	1.3946	55.2908	16.9676
23486	93.5501	290.4820	8.6006	378.9140	72.1118
12360	93.4985	35.1090	3.2411	60.0728	25.8807
20728	93.4985	699.3180	33.9924	915.6553	202.6830
21086	93.3953	60.6500	3.0185	87.2985	25.8805
20840	93.3437	101.9150	2.6021	91.4824	39.3794
16099	93.2921	512.4647	14.8688	429.8306	62.4877
15683	93.2405	79.7163	2.9852	102.8190	42.0203
16400	93.1889	483.1180	51.1795	316.1201	193.0789
25103	93.1373	87.7253	2.0728	65.0932	41.5711
17649	93.1373	192.8347	9.2057	262.4957	83.2930
23825	93.1373	57.1467	1.4480	63.5002	19.0013
9620	93.0857	1102.1280	83.6335	797.7883	183.0347
9952	93.0857	415.3687	15.3125	545.4961	105.7077
1097	93.0857	264.3353	8.4195	303.0990	100.2771
5014	93.0341	23.0340	1.6781	43.0242	18.7763
14504	93.0341	388.5153	24.7725	528.3181	118.3967
20554	92.9825	64.9137	3.4897	75.3841	36.9748
16361	92.9825	28.3843	2.5207	44.7460	11.8878
17157	92.9825	107.4930	5.5723	80.0165	26.0867
22028	99.5872	13375.5767	47.8547	9974.9350	3731.3312
13787	99.3808	37.6450	0.1778	53.1175	15.6581
17662	99.0712	118.4780	2.1611	176.1766	35.6440
9466	98.9164	175.5210	1.9121	31.3618	134.6260

TABLE 5CC: NOREPINEPHRINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
2360	98.8648	233.2330	0.5882	219.7876	49.6824
16087	98.8132	67.8230	0.4857	100.7151	34.7807
7992	98.6584	127.6070	0.5441	139.5139	42.5869
16203	98.6068	85.3683	3.5578	139.3817	48.8127
5371	98.6068	23.7507	0.4097	10.4518	9.4883
8285	98.4520	90.8623	0.4857	95.7843	28.6578
12796	98.2972	38.0497	0.3103	41.2723	27.3302
24290	98.2972	90.5837	2.6147	361.6428	374.6028
16	98.1940	1822.0580	42.5386	1233.0724	320.4945
9114	98.1424	-8.5253	1.4263	31.4281	25.9729
11500	97.9360	671.5923	15.7799	465.7576	119.3952
21805	97.8844	480.5100	7.3892	343.1120	76.1132
6136	97.8328	47.2520	0.9249	66.0209	16.0978
21468	97.7812	-83.5257	5.4755	44.3069	81.3374
15969	97.6780	280.0903	1.1936	311.6277	53.2081
19371	97.5748	65.2587	0.7805	89.8295	32.0983
26148	97.5748	44.5913	0.4646	43.9464	31.9266
5891	97.5232	110.9577	3.0678	40.5915	59.6948
23097	97.5232	89.0547	1.0120	70.6426	24.0133
15246	97.4716	46.4467	0.4743	53.2756	15.3668
13375	97.4716	4.4203	0.9991	35.7215	22.1446
4911	97.4716	23.6933	0.2376	28.3943	14.1208
16438	97.4716	635.3450	11.7897	472.8945	130.7109
2095	97.4716	93.3360	1.4555	124.5051	25.6095
10614	97.4716	316.9750	10.2247	136.9156	110.6099
9310	97.3684	91.8597	1.0511	121.8552	36.8422
18212	97.3684	41.2213	5.1671	-19.9520	34.9405
12654	97.3684	112.8583	10.6705	234.9660	90.1942
22493	97.3684	256.6973	1.8373	213.1873	56.4399
10302	97.3684	27.9787	0.5209	17.3983	19.9656
6387	97.3168	70.9853	0.3674	75.6112	15.3600
17642	97.2136	21.3120	0.7327	43.6575	20.4405
22682	97.2136	23.4507	0.9202	27.2053	31.3254
14202	97.1620	77.3710	1.1937	96.9214	35.6696
21456	97.1620	22.3423	0.8300	7.7116	22.1473
19016	97.1104	395.3907	7.3295	277.0878	74.8662
15091	97.0588	99.1530	1.7515	138.2585	37.7845
20087	97.0072	67.3520	0.6694	66.8587	27.1307
6712	96.9556	169.7277	1.8176	189.1622	57.1238
2476	96.9040	53.3413	0.8480	55.5428	32.4163
22707	96.8008	17.7820	1.2756	42.3511	26.8561
7171	96.8008	94.3337	1.2532	83.6124	30.5140
23703	96.6976	31.0490	0.3480	29.0504	14.2729
24212	96.6976	2582.6843	21.4587	2283.2783	408.2796
149	96.6976	66.2783	0.8071	76.7152	15.8431
8423	96.6976	227.7503	3.3440	366.9388	292.2468
14625	96.6976	68.5233	0.9441	81.2621	23.5113
9408	96.5944	59.6917	1.7766	39.0365	17.3643
21825	96.5944	56.4700	1.5143	88.3463	35.4890
21427	96.4912	79.2123	1.3763	103.8133	29.5468
12828	96.4396	57.7353	0.9357	66.8836	32.7675
20757	96.3364	2414.1663	17.0973	2271.8254	422.0171

TABLE 5CC: NOREPINEPHRINE Atty. Ref. 44921-5090-01-WO/2105485

Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
24117	96.3364	26.6910	2.0888	10.4170	17.5507
2675	96.3364	1148.9510	10.6599	947.0135	243.8608
12778	96.2848	152.6843	2.5320	183.5233	43.7221
21500	96.2848	237.3877	54.4652	89.4782	89.7241
16689	96.2332	104.0237	1.2517	108.6236	32.2312
22595	96.2332	166.8360	2.7171	194.4342	42.3266
21264	96.2332	122.8987	1.7320	103.6940	20.7544
13741	96.1816	26.0263	0.3138	32.8458	17.8267
20327	96.1300	122.6457	1.3007	117.4239	39.8879
4189	96.0784	343.5817	2.9074	392.8493	91.9355
8959	96.0784	82.2207	1.8721	58.2600	21.4847
7036	96.0784	90.0790	2.0404	113.9122	21.4538
4732	96.0784	165.0377	1.5663	187.3527	37.0863
8265	96.0784	118.6537	1.7219	90.1576	33.6246
5454	96.0784	32.1143	2.3840	14.5283	17.3022
15393	96.0268	270.5937	15.8566	187.4393	42.2588
2208	96.0268	162.0793	6.7166	223.0357	44.7220
10685	96.0268	23.6977	0.5614	36.1425	15.1425
15085	95.9752	885.2107	4.7521	972.5390	174.5670

TABLE 5DD: Norepinephrine--Core Tox
Timepoint(s): 24 hrs

Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
20863	99.6904	57.5080	1.2093	152.0204	49.7409
17431	99.1228	474.9520	1.4949	437.1764	108.1993
21951	98.6584	69.3167	0.1386	77.8674	18.0240
17211	98.0392	2705.5817	23.7082	2036.3654	574.6117
17648	97.9876	167.4683	0.6089	178.3401	43.2454
17808	97.9360	1712.9783	24.2555	1271.1624	255.7192
14983	97.9360	9490.9897	246.4261	7314.6962	3829.3447
19411	97.8844	100.8437	0.4210	112.6130	36.6267
20357	97.7812	41.3160	1.5967	92.4611	37.0762
10660	97.6780	71.1927	0.3765	68.2986	17.8215
20844	97.4200	2095.0633	27.4653	1583.7326	367.3536
17298	97.4200	197.8003	1.1728	202.4156	46.4171
2811	97.4200	54.3710	1.4083	86.9006	26.2123
16924	97.2136	325.3807	6.4975	225.0529	107.4393
23357	97.1620	127.7170	1.0540	144.3015	32.4500
17991	97.0072	13.6307	0.6479	26.1271	9.2577
21801	97.0072	191.3690	1.7931	160.2509	36.7703
5049	96.9556	453.6563	28.9136	737.2678	170.4712
21087	96.8524	20.9507	0.6866	27.2381	320.9153
20746	96.8524	575.6373	6.1367	491.5957	121.8270
18221	96.5944	137.9597	2.3388	189.7786	52.6548
17757	96.5428	147.7873	1.3945	128.8930	28.2779
14924	96.4396	51.8627	1.3141	38.0575	24.1160
25643	96.1300	105.8687	1.0779	127.2940	27.8507
13489	95.9752	6.2677	1.7932	21.3974	9.1426
17100	95.9236	1933.0853	99.4724	1310.1293	296.4873
20386	95.7172	265.7490	2.9274	333.1644	84.5056
19768	95.7172	674.4197	8.5199	796.3149	122.8559
15996	95.6140	105.4843	2.2465	154.0898	79.1755
2812	95.6140	63.1260	1.6503	89.8743	24.9196
194	95.5624	24.1963	0.4803	19.9540	14.3888
2696	95.5624	1762.8073	31.4524	1422.2921	365.6896
16070	95.4592	50.8690	1.5166	71.7919	28.5871
20235	95.4592	37.5317	1.8408	47.0293	26.5541
2632	95.4076	167.9587	1.6753	186.7841	29.5856
13647	95.3560	1105.3833	354.4977	561.0303	204.2384
571	95.3560	79.6580	3.0611	97.1701	46.0338
16001	95.3560	11808.5667	498.3945	8758.3158	3566.9879
15772	95.3044	20.7357	0.4255	25.8650	10.5094
16507	95.2012	102.8060	2.9377	144.1605	46.3039
15384	95.0464	26.9193	2.2940	48.4330	18.7361
15202	94.9948	1630.9773	97.0261	1017.4003	358.3999
19694	94.8400	35.2940	1.0696	39.4846	18.5360
18076	94.7884	0.4443	1.5758	32.3208	28.9133
15450	94.7884	14.0293	0.5515	20.3809	6.5776
23343	94.7884	22.5627	0.8490	30.7679	10.1335
24644	94.6852	48.7800	35.4267	59.7429	17.0549
16292	94.5820	55.0530	4.1845	23.2692	28.5015
14966	94.5820	92.8293	8.8838	39.4153	46.0119
25547	94.5304	260.6713	11.4421	355.9494	129.4296
17875	94.4788	20.1533	1.4421	2.7236	25.5290
20945	94.4788	2040.6570	88.0696	1595.1554	294.2624

TABLE 5DD: Norepinephrine--Core Tox Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
15380	94.4272	1863.6317	378.2755	935.9807	366.6477
17729	94.3756	1776.1277	125.5025	1324.7848	228.2950
5050	94.3756	346.5397	15.9769	516.2596	120.7928
1299	94.3756	232.6140	23.9980	115.5967	73.0578
20994	94.3756	138.7977	2.4628	119.6022	30.7760
11350	94.3240	31.5207	1.8216	63.4682	29.9900
24609	94.2724	21.7690	0.8361	37.0927	240.4283
20975	94.2724	97.1543	6.9311	148.5012	38.4501
16139	94.2208	131.1017	1.4153	140.0184	32.8568
25110	94.2208	66.0483	2.2815	84.1086	16.1268
19321	94.1692	221.5020	2.7681	249.6174	41.8258
25137	94.1692	25.3893	0.8747	34.1161	11.2576
1977	94.0144	318.8380	83.1405	552.5388	109.7705
5837	94.0144	20.2693	20.7539	108.6565	64.8043
13090	93.9628	75.7560	2.9234	99.2587	42.8080
19888	93.9628	183.8520	7.2264	133.6778	51.2786
18365	93.9112	88.5537	2.3153	112.8918	77.1579
15911	93.9112	134.4520	7.6642	194.2536	44.9941
4615	93.8596	884.0333	50.4101	586.9161	207.1906
4035	93.8596	79.2893	2.2117	89.5571	32.1003
21989	93.8080	87.8107	1.1828	98.5063	18.7718
1283	93.7564	90.1383	2.9178	110.1922	40.4636
25262	93.7564	44.5400	1.0002	42.3342	14.5553
17653	93.7564	24.3393	0.6370	26.8303	11.6319
22499	93.7564	32.1947	2.0163	20.9150	12.1488
16715	93.7049	21.5823	1.3680	15.6291	12.6757
15761	93.6533	12.5080	2.4564	32.0276	15.4752
16382	93.6533	81.5550	2.0418	97.3052	31.9369
19152	93.6533	78.5820	1.4082	90.5775	21.3603
23083	93.6017	51.3330	1.3946	55.2908	16.9676
23486	93.5501	290.4820	8.6006	378.9140	72.1118
12360	93.4985	35.1090	3.2411	60.0728	25.8807
20728	93.4985	699.3180	33.9924	915.6553	202.6830
21086	93.3953	60.6500	3.0185	87.2985	25.8805
20840	93.3437	101.9150	2.6021	91.4824	39.3794
16099	93.2921	512.4647	14.8688	429.8306	62.4877
15683	93.2405	79.7163	2.9852	102.8190	42.0203
16400	93.1889	483.1180	51.1795	316.1201	193.0789
25103	93.1373	87.7253	2.0728	65.0932	41.5711
17649	93.1373	192.8347	9.2057	262.4957	83.2930
23825	93.1373	57.1467	1.4480	63.5002	19.0013
9620	93.0857	1102.1280	83.6335	797.7883	183.0347
9952	93.0857	415.3687	15.3125	545.4961	105.7077
1097	93.0857	264.3353	8.4195	303.0990	100.2771
5014	93.0341	23.0340	1.6781	43.0242	18.7763
14504	93.0341	388.5153	24.7725	528.3181	118.3967
20554	92.9825	64.9137	3.4897	75.3841	36.9748
16361	92.9825	28.3843	2.5207	44.7460	11.8878
22028	99.5872	13375.5767	47.8547	9974.9350	3731.3312
13787	99.3808	37.6450	0.1778	53.1175	15.6581
17662	99.0712	118.4780	2.1611	176.1766	35.6440
9466	98.9164	175.5210	1.9121	31.3618	134.6260

TABLE 5DD: Norepinephrine--Core Tox						Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 24 hrs						
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox	
2360	98.8648	233.2330	0.5882	219.7876	49.6824	
16087	98.8132	67.8230	0.4857	100.7151	34.7807	
7992	98.6584	127.6070	0.5441	139.5139	42.5869	
16203	98.6068	85.3683	3.5578	139.3817	48.8127	
5371	98.6068	23.7507	0.4097	10.4518	9.4883	
8285	98.4520	90.8623	0.4857	95.7843	28.6578	
12796	98.2972	38.0497	0.3103	41.2723	27.3302	
24290	98.2972	90.5837	2.6147	361.6428	374.6028	
16	98.1940	1822.0580	42.5386	1233.0724	320.4945	
9114	98.1424	-8.5253	1.4263	31.4281	25.9729	
11500	97.9360	671.5923	15.7799	465.7576	119.3952	
21805	97.8844	480.5100	7.3892	343.1120	76.1132	
6136	97.8328	47.2520	0.9249	66.0209	16.0978	
21468	97.7812	-83.5257	5.4755	44.3069	81.3374	
15969	97.6780	280.0903	1.1936	311.6277	53.2081	
19371	97.5748	65.2587	0.7805	89.8295	32.0983	
26148	97.5748	44.5913	0.4646	43.9464	31.9266	
5891	97.5232	110.9577	3.0678	40.5915	59.6948	
23097	97.5232	89.0547	1.0120	70.6426	24.0133	
15246	97.4716	46.4467	0.4743	53.2756	15.3668	
13375	97.4716	4.4203	0.9991	35.7215	22.1446	
4911	97.4716	23.6933	0.2376	28.3943	14.1208	
16438	97.4716	635.3450	11.7897	472.8945	130.7109	
2095	97.4716	93.3360	1.4555	124.5051	25.6095	
10614	97.4716	316.9750	10.2247	136.9156	110.6099	
9310	97.3684	91.8597	1.0511	121.8552	36.8422	
18212	97.3684	41.2213	5.1671	-19.9520	34.9405	
12654	97.3684	112.8583	10.6705	234.9660	90.1942	
22493	97.3684	256.6973	1.8373	213.1873	56.4399	
10302	97.3684	27.9787	0.5209	17.3983	19.9656	
6387	97.3168	70.9853	0.3674	75.6112	15.3600	
17642	97.2136	21.3120	0.7327	43.6575	20.4405	
22682	97.2136	23.4507	0.9202	27.2053	31.3254	
14202	97.1620	77.3710	1.1937	96.9214	35.6696	
21456	97.1620	22.3423	0.8300	7.7116	22.1473	
19016	97.1104	395.3907	7.3295	277.0878	74.8662	
15091	97.0588	99.1530	1.7515	138.2585	37.7845	
20087	97.0072	67.3520	0.6694	66.8587	27.1307	
6712	96.9556	169.7277	1.8176	189.1622	57.1238	
2476	96.9040	53.3413	0.8480	55.5428	32.4163	
22707	96.8008	17.7820	1.2756	42.3511	26.8561	
7171	96.8008	94.3337	1.2532	83.6124	30.5140	
23703	96.6976	31.0490	0.3480	29.0504	14.2729	
24212	96.6976	2582.6843	21.4587	2283.2783	408.2796	
149	96.6976	66.2783	0.8071	76.7152	15.8431	
8423	96.6976	227.7503	3.3440	366.9388	292.2468	
14625	96.6976	68.5233	0.9441	81.2621	23.5113	
9408	96.5944	59.6917	1.7766	39.0365	17.3643	
21825	96.5944	56.4700	1.5143	88.3463	35.4890	
21427	96.4912	79.2123	1.3763	103.8133	29.5468	
12828	96.4396	57.7353	0.9357	66.8836	32.7675	
20757	96.3364	2414.1663	17.0973	2271.8254	422.0171	

TABLE 5DD: Norepinephrine--Core Tox			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
24117	96.3364	26.6910	2.0888	10.4170	17.5507
2675	96.3364	1148.9510	10.6599	947.0135	243.8608
12778	96.2848	152.6843	2.5320	183.5233	43.7221
21500	96.2848	237.3877	54.4652	89.4782	89.7241
16689	96.2332	104.0237	1.2517	108.6236	32.2312
22595	96.2332	166.8360	2.7171	194.4342	42.3266
21264	96.2332	122.8987	1.7320	103.6940	20.7544
13741	96.1816	26.0263	0.3138	32.8458	17.8267
11516	96.1300	81.2373	2.7040	119.3780	33.2341
20327	96.1300	122.6457	1.3007	117.4239	39.8879
4189	96.0784	343.5817	2.9074	392.8493	91.9355
8959	96.0784	82.2207	1.8721	58.2600	21.4847
7036	96.0784	90.0790	2.0404	113.9122	21.4538
4732	96.0784	165.0377	1.5663	187.3527	37.0863
8265	96.0784	118.6537	1.7219	90.1576	33.6246
5454	96.0784	32.1143	2.3840	14.5283	17.3022
15393	96.0268	270.5937	15.8566	187.4393	42.2588
2208	96.0268	162.0793	6.7166	223.0357	44.7220
10685	96.0268	23.6977	0.5614	36.1425	15.1425
15085	95.9752	885.2107	4.7521	972.5390	174.5670

TABLE 5EE: NOREPINEPHRINE		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
6892	99.4813	263.3163	66.1789	66.7882	31.0846
6891	99.4295	805.9879	119.4903	250.4163	82.8820
8664	99.2739	1607.5828	418.0726	112.2090	188.2090
17734	98.7033	3990.9268	581.3210	1027.2344	428.8438
16518	98.6515	1977.6365	445.9983	763.7900	253.8228
17736	98.4440	2529.2289	492.7151	608.7162	319.5188
21663	98.3921	1440.2189	312.1577	373.7786	161.1208
363	98.2365	112.7505	30.0230	44.4177	19.3890
1892	98.1328	2802.2854	341.4428	1202.3530	371.2073
357	98.0809	73.5020	15.4920	25.2192	17.8083
354	98.0809	553.4614	186.9081	160.6835	74.3664
17765	98.0809	2316.9869	210.1469	1388.9983	275.7749
17401	97.8734	1692.6079	353.9725	599.5431	218.5884
17735	97.8216	4082.1361	1121.4657	1084.0936	505.1141
385	95.6950	-0.6526	7.8050	46.1192	22.5750
20204	95.4876	9.0690	9.4593	42.6701	13.7144
16026	95.2801	78.3944	13.6112	159.1730	46.7838
11865	93.9315	26.5984	8.8112	64.6395	19.3332
23058	93.6722	146.0564	35.0956	283.2263	71.9984
8663	93.2832	727.9441	520.6358	-55.1429	146.5325
1475	92.7645	1938.9946	1033.7095	94.4565	217.4632
18059	92.4533	273.4070	133.1863	27.2551	31.3860
20448	92.4015	736.0876	490.7340	74.8256	108.9987
11258	92.2977	110.7936	89.7714	7.7077	21.7879
20449	92.2459	1033.4939	521.5685	98.5816	165.7143
2629	92.0902	90.5585	40.0410	20.9245	15.5802
923	92.0384	103.1869	40.4358	16.6868	17.6992
17908	92.0384	202.9623	78.7039	43.1288	31.1735
18259	91.9865	238.4859	97.3566	93.3552	46.0079
355	91.9346	87.8504	34.0407	9.5089	28.1285
15461	91.9346	444.1755	193.8804	106.2839	54.2785
18597	91.8309	263.7544	75.1004	93.6741	61.8674
353	91.8309	435.7853	161.9288	114.4376	63.1917
223	91.7790	144.8780	67.7257	12.5453	23.9093
244	91.6753	303.9644	134.5401	61.5793	37.4726
15191	91.4160	1323.7188	675.7651	175.8255	552.7855
23868	91.3122	894.6340	436.2035	212.6165	220.7827
11530	91.1566	999.6595	378.7252	205.4721	156.9648
5167	91.0788	73.3379	26.1360	25.7047	27.9237
19085	91.0529	92.1740	18.5335	52.0272	13.8484
15510	91.0270	196.0304	36.3396	281.5123	54.2591
22868	90.9232	14.9119	4.4812	28.6827	8.8600
3799	90.6380	750.1286	157.2905	379.7988	110.5086
1742	90.6380	104.5040	42.1347	32.4741	21.1420
79	90.6120	18.4890	9.5247	46.8097	17.7675
21662	90.4305	37.9036	11.1011	3.7015	11.5339
18582	90.2490	168.8623	27.1634	251.9951	55.6036
16173	90.2230	67.9840	34.6720	13.2814	26.1690
5496	90.1971	45.9714	10.2833	68.5173	13.6940
20728	90.1452	606.7143	125.8443	917.5459	201.3214
17764	90.0156	3163.5308	519.9248	1938.2249	384.4218
11940	89.9637	45.6983	7.5672	25.0523	8.4310

TABLE 5EE: NOREPINEPHRINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
857	89.9118	29.8086	7.9906	10.3579	7.6130
10071	89.8081	540.8850	117.5623	263.9332	106.1775
22499	89.6006	50.9446	12.0167	20.7009	11.8397
15617	89.5488	35.0314	14.6256	15.0018	8.2473
15618	89.2894	146.0054	29.2866	99.5980	20.9977
18715	89.2376	256.8166	57.9299	151.0548	40.5827
21400	89.0560	61.2115	13.3773	106.3284	32.1543
19040	89.0301	452.5429	120.7826	253.2807	75.3125
21445	88.9782	60.1424	23.7036	10.5246	22.9670
19481	88.7967	68.2556	21.4951	130.6260	42.5148
15189	88.5114	757.2838	239.9481	336.5505	361.6568
18389	88.2521	1826.1269	641.7089	825.5171	459.3395
21239	88.2521	243.9681	83.0284	118.3888	62.3919
16499	88.0965	-1.1534	33.3176	57.7244	33.3571
23166	88.0446	170.4068	42.1077	108.1382	29.1160
753	87.9149	68.1009	5.2162	57.5494	20.5305
25039	87.6037	286.6995	44.2026	404.9923	94.3883
16122	87.5778	119.7388	37.9603	64.7526	28.1717
5034	87.5778	1164.1774	132.1500	884.7553	148.4135
14997	87.5000	555.6661	54.0072	746.1537	155.8718
1377	87.5000	38.9810	5.4946	57.5690	19.5886
1521	87.4222	128.7296	49.7904	68.1875	34.1946
602	87.3185	139.4460	48.7242	229.9013	48.2442
8662	86.9813	257.6134	185.2497	-34.8090	75.2818
8661	86.9813	250.8268	154.0243	10.2067	65.0503
22351	86.7998	65.9775	18.6803	41.1423	15.1897
1527	86.7220	8.1863	6.8239	25.1339	12.3022
12364	86.6961	74.7339	33.5477	150.7245	39.4713
18295	86.6961	83.1748	64.3321	173.4615	51.1680
20983	86.4108	345.9545	55.2211	479.1295	109.6979
18654	86.3330	89.2891	44.9318	218.8692	64.6229
764	86.3330	50.5666	18.4217	101.3529	27.5301
6349	86.2033	116.8153	14.3162	151.7734	33.0023
1271	86.1255	52.7259	9.5378	80.4345	15.6506
12978	86.0996	308.5996	230.1202	76.3885	43.7321
22625	86.0477	188.2085	98.2440	65.0820	29.2058
23336	85.9959	66.5710	8.7131	93.1635	24.9841
11422	85.9699	53.8790	22.4691	113.2816	31.5290
4448	85.8662	17.4248	5.1796	35.2285	10.6554
24431	85.7884	425.6855	273.1575	73.8453	65.3863
17257	85.7884	242.1913	50.2257	365.4273	115.4767
17137	85.7624	367.5156	191.1552	857.4529	258.2968
5676	85.7365	25.5498	28.0838	76.9172	45.5600
21069	85.6846	36.6796	3.9627	49.5086	14.2318
15460	85.6328	436.1656	264.6770	100.3814	63.7207
19058	85.6328	19.0441	2.7660	24.9122	12.4186
14213	85.5809	75.0461	41.6040	6.0349	18.8872
20795	85.5290	361.8271	199.9596	110.7948	57.7895
8665	99.1183	3826.7229	1669.2221	413.1920	335.0125
8759	98.4440	339.5654	116.1490	35.3245	57.8247
23732	98.3921	1134.9133	214.4420	329.8413	145.8289
15212	98.2884	254.2340	76.3460	55.2676	36.1656

TABLE 5EE: NOREPINEPHRINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
3808	98.1328	1556.4444	331.4931	556.3567	199.8705
23314	98.1328	1320.4768	670.9375	77.5428	192.5340
3139	98.0290	3317.1991	585.8836	1711.6874	340.0816
9604	97.9772	2744.8634	1014.6649	384.8144	345.9048
16053	97.9772	333.2519	75.7808	117.3370	86.2544
15171	97.9253	2108.9989	591.0550	1029.9120	260.3607
2331	97.7697	1845.3030	533.8146	379.6211	333.8526
16124	97.7697	619.0150	169.0273	228.5083	87.7501
14712	97.5104	324.5103	65.6300	155.8050	42.3838
22378	97.2510	134.3710	28.4687	272.1390	61.5948
21632	97.1473	516.5784	118.5630	200.9806	98.2866
3434	97.0436	2236.3513	500.5160	753.5275	374.6549
23304	96.9398	214.1941	40.7498	123.0396	36.3114
12664	96.1618	37.5723	14.3677	112.9597	33.6585
2861	96.1618	83.9905	15.7656	46.8376	15.6812
13460	95.5394	185.8708	40.8718	334.6733	66.9248
21514	95.3320	108.6159	26.3403	57.8617	20.4835
3290	95.2282	259.4525	54.3802	444.5074	79.6490
6102	95.0207	68.4524	17.6339	36.5686	14.9042
3511	94.9689	224.9530	44.7671	91.6020	52.8324
4790	94.9170	-39.7215	33.4762	151.9333	96.7369
12946	94.8651	135.0391	20.0304	218.9686	41.9762
3207	94.7614	45.5745	48.5801	242.4891	97.5193
8938	94.6058	9.0184	10.2678	71.8879	34.7491
8917	94.3465	85.9886	24.2129	168.4718	38.9581
12662	93.8797	24.1668	17.5314	85.9064	31.0954
14494	93.8278	146.9951	34.1009	226.4663	37.3047
4873	93.6722	223.9209	72.9117	447.2041	116.5943
5442	93.5166	224.1333	69.1508	431.7980	112.6526
18350	93.3091	241.2716	40.0402	140.0376	60.8767
16599	93.2054	335.5149	61.8090	591.6306	143.1488
14088	93.0498	14.6839	16.9187	81.9165	37.8533
16596	92.9979	158.2274	46.7335	315.6517	82.3981
22929	92.9979	278.7673	75.8229	735.8519	314.8335
2729	92.8423	230.7750	70.2194	481.2179	151.9874
15051	92.5311	208.6471	41.5312	120.1176	109.4713
6054	92.4533	691.3863	298.0596	51.1399	82.1514
7913	92.3496	159.3261	65.7056	52.0903	38.6015
11238	92.2199	12.9080	5.0509	41.7424	22.5899
8820	92.1162	191.3825	68.6766	400.2327	122.6294
24022	92.0643	56.1263	13.4650	102.0367	26.9371
9452	92.0384	1134.7661	463.3626	264.4877	243.9946
2459	91.9865	1774.2951	789.0601	116.8937	251.3637
4188	91.9606	0.5915	9.1017	33.1719	22.3639
13291	91.9346	500.4205	228.8126	170.4361	55.9152
4725	91.9346	500.0794	221.4606	84.4696	93.1704
11326	91.9087	82.5878	44.3182	192.7032	58.3028
8012	91.9087	50.4938	7.5181	29.4405	13.8090
7700	91.7790	130.7185	44.6686	39.2479	24.6893
5775	91.7790	286.7219	134.6842	25.8344	40.0816
13365	91.7531	27.3019	13.9094	80.7765	43.8288
17783	91.7272	686.6200	210.1304	234.4352	89.0104

TABLE 5EE: NOREPINEPHRINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
17402	91.6753	361.7129	84.0620	120.8395	52.7337
10710	91.6494	64.5291	13.7797	100.4503	23.1614
8290	91.5975	-22.2361	13.4745	25.3368	31.6710
10837	91.5716	226.3690	71.4687	84.1778	40.4337
22443	91.5716	114.8048	78.8654	32.8697	23.8497
5675	91.5197	406.3161	126.2639	157.5955	137.4801
11721	91.4419	34.3244	10.5013	77.0222	30.2750
22666	91.4160	235.1778	80.8618	77.8863	36.8367
12233	91.4160	267.2036	65.8534	105.4438	46.7134

TABLE 5FF: Norepinephrine--Core Tox			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
6892	99.4813	263.3163	66.1789	66.7882	31.0846
6891	99.4295	805.9879	119.4903	250.4163	82.8820
8664	99.2739	1607.5828	418.0726	112.2090	188.2090
17734	98.7033	3990.9268	581.3210	1027.2344	428.8438
16518	98.6515	1977.6365	445.9983	763.7900	253.8228
17736	98.4440	2529.2289	492.7151	608.7162	319.5188
21663	98.3921	1440.2189	312.1577	373.7786	161.1208
363	98.2365	112.7505	30.0230	44.4177	19.3890
1892	98.1328	2802.2854	341.4428	1202.3530	371.2073
357	98.0809	73.5020	15.4920	25.2192	17.8083
354	98.0809	553.4614	186.9081	160.6835	74.3664
17765	98.0809	2316.9869	210.1469	1388.9983	275.7749
17401	97.8734	1692.6079	353.9725	599.5431	218.5884
17735	97.8216	4082.1361	1121.4657	1084.0936	505.1141
385	95.6950	-0.6526	7.8050	46.1192	22.5750
20204	95.4876	9.0690	9.4593	42.6701	13.7144
16026	95.2801	78.3944	13.6112	159.1730	46.7838
11865	93.9315	26.5984	8.8112	64.6395	19.3332
23058	93.6722	146.0564	35.0956	283.2263	71.9984
8663	93.2832	727.9441	520.6358	-55.1429	146.5325
1475	92.7645	1938.9946	1033.7095	94.4565	217.4632
18059	92.4533	273.4070	133.1863	27.2551	31.3860
20448	92.4015	736.0876	490.7340	74.8256	108.9987
11258	92.2977	110.7936	89.7714	7.7077	21.7879
20449	92.2459	1033.4939	521.5685	98.5816	165.7143
2629	92.0902	90.5585	40.0410	20.9245	15.5802
923	92.0384	103.1869	40.4358	16.6868	17.6992
17908	92.0384	202.9623	78.7039	43.1288	31.1735
18259	91.9865	238.4859	97.3566	93.3552	46.0079
355	91.9346	87.8504	34.0407	9.5089	28.1285
15461	91.9346	444.1755	193.8804	106.2839	54.2785
18597	91.8309	263.7544	75.1004	93.6741	61.8674
353	91.8309	435.7853	161.9288	114.4376	63.1917
223	91.7790	144.8780	67.7257	12.5453	23.9093
244	91.6753	303.9644	134.5401	61.5793	37.4726
11531	91.4160	1886.5684	868.1506	398.3255	256.0735
15191	91.4160	1323.7188	675.7651	175.8255	552.7855
23868	91.3122	894.6340	436.2035	212.6165	220.7827
11530	91.1566	999.6595	378.7252	205.4721	156.9648
5167	91.0788	73.3379	26.1360	25.7047	27.9237
19085	91.0529	92.1740	18.5335	52.0272	13.8484
15510	91.0270	196.0304	36.3396	281.5123	54.2591
22868	90.9232	14.9119	4.4812	28.6827	8.8600
3799	90.6380	750.1286	157.2905	379.7988	110.5086
1742	90.6380	104.5040	42.1347	32.4741	21.1420
79	90.6120	18.4890	9.5247	46.8097	17.7675
21662	90.4305	37.9036	11.1011	3.7015	11.5339
18582	90.2490	168.8623	27.1634	251.9951	55.6036
16173	90.2230	67.9840	34.6720	13.2814	26.1690
5496	90.1971	45.9714	10.2833	68.5173	13.6940
20728	90.1452	606.7143	125.8443	917.5459	201.3214
17764	90.0156	3163.5308	519.9248	1938.2249	384.4218

TABLE 5FF: Norepinephrine--Core Tox

Atty. Ref. 44921-5090-01-WO/2105485

Timepoint(s): 3, 6 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
11940	89.9637	45.6983	7.5672	25.0523	8.4310
857	89.9118	29.8086	7.9906	10.3579	7.6130
10071	89.8081	540.8850	117.5623	263.9332	106.1775
22499	89.6006	50.9446	12.0167	20.7009	11.8397
15617	89.5488	35.0314	14.6256	15.0018	8.2473
15618	89.2894	146.0054	29.2866	99.5980	20.9977
18715	89.2376	256.8166	57.9299	151.0548	40.5827
21400	89.0560	61.2115	13.3773	106.3284	32.1543
19040	89.0301	452.5429	120.7826	253.2807	75.3125
21445	88.9782	60.1424	23.7036	10.5246	22.9670
19481	88.7967	68.2556	21.4951	130.6260	42.5148
15189	88.5114	757.2838	239.9481	336.5505	361.6568
18389	88.2521	1826.1269	641.7089	825.5171	459.3395
21239	88.2521	243.9681	83.0284	118.3888	62.3919
16499	88.0965	-1.1534	33.3176	57.7244	33.3571
23166	88.0446	170.4068	42.1077	108.1382	29.1160
753	87.9149	68.1009	5.2162	57.5494	20.5305
25039	87.6037	286.6995	44.2026	404.9923	94.3883
16122	87.5778	119.7388	37.9603	64.7526	28.1717
5034	87.5778	1164.1774	132.1500	884.7553	148.4135
14997	87.5000	555.6661	54.0072	746.1537	155.8718
1377	87.5000	38.9810	5.4946	57.5690	19.5866
1521	87.4222	128.7296	49.7904	68.1875	34.1946
602	87.3185	139.4460	48.7242	229.9013	48.2442
8662	86.9813	257.6134	185.2497	-34.8090	75.2818
8661	86.9813	250.8268	154.0243	10.2067	65.0503
22351	86.7998	65.9775	18.6803	41.1423	15.1897
1527	86.7220	8.1863	6.8239	25.1339	12.3022
12364	86.6961	74.7339	33.5477	150.7245	39.4713
18295	86.6961	83.1748	64.3321	173.4615	51.1680
20983	86.4108	345.9545	55.2211	479.1295	109.6979
18654	86.3330	89.2891	44.9318	218.8692	64.6229
764	86.3330	50.5666	18.4217	101.3529	27.5301
6349	86.2033	116.8153	14.3162	151.7734	33.0023
1271	86.1255	52.7259	9.5378	80.4345	15.6506
12978	86.0996	308.5996	230.1202	76.3885	43.7321
22625	86.0477	188.2085	98.2440	65.0820	29.2058
23336	85.9959	66.5710	8.7131	93.1635	24.9841
11422	85.9699	53.8790	22.4691	113.2816	31.5290
4448	85.8662	17.4248	5.1796	35.2285	10.6554
24431	85.7884	425.6855	273.1575	73.8453	65.3863
17257	85.7884	242.1913	50.2257	365.4273	115.4767
17137	85.7624	367.5156	191.1552	857.4529	258.2968
5676	85.7365	25.5498	28.0838	76.9172	45.5600
21069	85.6846	36.6796	3.9627	49.5086	14.2318
15460	85.6328	436.1656	264.6770	100.3814	63.7207
19058	85.6328	19.0441	2.7660	24.9122	12.4186
14213	85.5809	75.0461	41.6040	6.0349	18.8872
8665	99.1183	3826.7229	1669.2221	413.1920	335.0125
8759	98.4440	339.5654	116.1490	35.3245	57.8247
23732	98.3921	1134.9133	214.4420	329.8413	145.8289
15212	98.2884	254.2340	76.3460	55.2676	36.1656

TABLE 5FF: Norepinephrine--Core Tox			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
3808	98.1328	1556.4444	331.4931	556.3567	199.8705
23314	98.1328	1320.4768	670.9375	77.5428	192.5340
3139	98.0290	3317.1991	585.8836	1711.6874	340.0816
9604	97.9772	2744.8634	1014.6649	384.8144	345.9048
16053	97.9772	333.2519	75.7808	117.3370	86.2544
15171	97.9253	2108.9989	591.0550	1029.9120	260.3607
2331	97.7697	1845.3030	533.8146	379.6211	333.8526
16124	97.7697	619.0150	169.0273	228.5083	87.7501
14712	97.5104	324.5103	65.6300	155.8050	42.3838
22378	97.2510	134.3710	28.4687	272.1390	61.5948
21632	97.1473	516.5784	118.5630	200.9806	98.2866
3434	97.0436	2236.3513	500.5160	753.5275	374.6549
23304	96.9398	214.1941	40.7498	123.0396	36.3114
12664	96.1618	37.5723	14.3677	112.9597	33.6585
2861	96.1618	83.9905	15.7656	46.8376	15.6812
13460	95.5394	185.8708	40.8718	334.6733	66.9248
21514	95.3320	108.6159	26.3403	57.8617	20.4835
3290	95.2282	259.4525	54.3802	444.5074	79.6490
6102	95.0207	68.4524	17.6339	36.5686	14.9042
3511	94.9689	224.9530	44.7671	91.6020	52.8324
4790	94.9170	-39.7215	33.4762	151.9333	96.7369
12946	94.8651	135.0391	20.0304	218.9686	41.9762
3207	94.7614	45.5745	48.5801	242.4891	97.5193
8938	94.6058	9.0184	10.2678	71.8879	34.7491
8917	94.3465	85.9886	24.2129	168.4718	38.9581
12662	93.8797	24.1668	17.5314	85.9064	31.0954
14494	93.8278	146.9951	34.1009	226.4663	37.3047
4873	93.6722	223.9209	72.9117	447.2041	116.5943
5442	93.5166	224.1333	69.1508	431.7980	112.6526
18350	93.3091	241.2716	40.0402	140.0376	60.8767
16599	93.2054	335.5149	61.8090	591.6306	143.1488
14088	93.0498	14.6839	16.9187	81.9165	37.8533
16596	92.9979	158.2274	46.7335	315.6517	82.3981
22929	92.9979	278.7673	75.8229	735.8519	314.8335
2729	92.8423	230.7750	70.2194	481.2179	151.9874
15051	92.5311	208.6471	41.5312	120.1176	109.4713
6054	92.4533	691.3863	298.0596	51.1399	82.1514
7913	92.3496	159.3261	65.7056	52.0903	38.6015
11238	92.2199	12.9080	5.0509	41.7424	22.5899
8820	92.1162	191.3825	68.6766	400.2327	122.6294
24022	92.0643	56.1263	13.4650	102.0367	26.9371
9452	92.0384	1134.7661	463.3626	264.4877	243.9946
2459	91.9865	1774.2951	789.0601	116.8937	251.3637
4188	91.9606	0.5915	9.1017	33.1719	22.3639
13291	91.9346	500.4205	228.8126	170.4361	55.9152
4725	91.9346	500.0794	221.4606	84.4696	93.1704
11326	91.9087	82.5878	44.3182	192.7032	58.3028
8012	91.9087	50.4938	7.5181	29.4405	13.8090
7700	91.7790	130.7185	44.6686	39.2479	24.6893
5775	91.7790	286.7219	134.6842	25.8344	40.0816
13365	91.7531	27.3019	13.9094	80.7765	43.8288
17783	91.7272	686.6200	210.1304	234.4352	89.0104

TABLE 5FF: Norepinephrine--Core Tox			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3, 6 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
17402	91.6753	361.7129	84.0620	120.8395	52.7337
10710	91.6494	64.5291	13.7797	100.4503	23.1614
8290	91.5975	-22.2361	13.4745	25.3368	31.6710
10837	91.5716	226.3690	71.4687	84.1778	40.4337
22443	91.5716	114.8048	78.8654	32.8697	23.8497
5675	91.5197	406.3161	126.2639	157.5955	137.4801
11721	91.4419	34.3244	10.5013	77.0222	30.2750
22666	91.4160	235.1778	80.8618	77.8863	36.8367
12233	91.4160	267.2036	65.8534	105.4438	46.7134

TABLE 5GG: PHENYLPROPANOLAMINE		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 3 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
22871	100.0000	51.0920	0.0113	77.1323	16.8313
8385	100.0000	282.1915	2.6523	120.1104	52.9403
353	100.0000	381.2930	0.5346	116.5377	69.7068
22630	100.0000	32.0160	0.0071	42.9443	16.6046
21120	99.9485	168.2730	0.0042	153.2225	44.3360
1238	99.9485	181.9290	0.1174	95.7088	41.2651
16499	99.9485	-2.6195	0.7573	57.3633	33.6868
1693	99.9485	-10.6570	0.0764	49.9027	32.9342
11113	99.9485	36.4690	0.0071	36.2673	19.6709
17145	99.8969	92.9605	0.1025	172.2985	46.1493
20746	99.8969	318.6620	0.6661	492.2122	121.5991
17154	99.8969	642.6685	0.1280	863.0957	213.5928
15638	99.8969	521.2955	0.4179	929.6362	307.5192
17218	99.8969	441.5540	0.2800	363.4876	95.7355
1970	99.8969	172.2320	0.1131	123.1975	40.7748
3455	99.8969	163.8175	0.0658	139.2460	43.3411
25638	99.8454	28.0365	0.0530	17.3435	8.9341
20740	99.8454	269.2450	1.1003	451.9244	144.8152
20731	99.8454	34.5160	0.0170	28.2257	9.8173
1852	99.8454	2247.2410	0.4765	2519.8118	502.0537
322	99.8454	31.1435	0.0191	19.1650	11.4591
21062	99.8454	136.3905	0.1068	69.9867	37.8547
21400	99.8454	51.6450	0.2305	106.0690	32.2390
1625	99.8454	35.0385	0.1676	13.3271	12.2350
17894	99.8454	146.7080	0.0735	168.1589	37.2733
22763	99.7938	78.9745	0.8167	40.9825	12.9541
21498	99.7938	12.4685	0.0205	31.5048	18.7609
10819	99.7938	1241.1000	0.5813	1735.3772	412.1568
25593	99.7938	237.3455	1.0317	135.8000	39.4852
21682	99.7938	30.0825	0.7248	-9.2475	55.5637
17202	99.7938	49.2500	0.0325	36.4196	10.9219
5283	99.7938	117.2625	1.1830	67.2504	18.0698
1463	99.7423	263.6415	0.3175	364.7819	135.6430
17181	99.7423	317.0000	1.9106	191.7197	62.6368
18430	99.7423	314.4045	0.6300	208.5937	71.2632
436	99.7423	24.2485	0.2949	58.5359	17.3593
18694	99.7423	31.5855	0.5424	-7.0364	26.3577
16401	99.7423	645.7720	0.9390	1039.6784	520.0369
19658	99.7423	45.0500	0.9518	12.5121	15.5439
2697	99.7423	1502.2910	2.2868	2254.4653	411.6071
4422	99.6907	19.8810	0.0127	25.0508	6.7236
1952	99.6907	39.0605	0.0559	21.2590	10.8957
22661	99.6907	2011.6865	1.8066	2453.7766	431.6276
17626	99.6907	639.4775	0.1181	733.3278	139.0769
20242	99.6907	25.9245	0.0898	2.8847	14.0621
8384	99.6907	208.5360	0.4695	96.5039	53.1497
17661	99.6907	191.8995	0.0827	190.0693	49.9046
4809	99.6907	101.6030	0.0467	79.9599	21.4435
16219	99.6907	609.0060	0.8499	786.7393	259.2468
14754	99.6907	159.2985	0.1549	129.1452	24.2971
15683	99.6392	190.3800	1.1116	102.5670	41.8290
21807	99.6392	23.4740	0.0679	6.9674	13.5151

TABLE 5GG: PHENYLPROPANOLAMINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
20849	99.6392	1044.1320	1.9474	794.4656	153.2125
9082	99.6392	32.6350	0.0184	37.6016	10.2287
17936	99.6392	28.5700	0.0156	28.9933	10.7315
16581	99.6392	13.9605	0.0474	25.6337	13.9842
15301	99.6392	177.3230	2.2062	100.6605	84.9474
18899	99.6392	60.6635	0.0403	46.7844	12.2248
16006	99.6392	61.9780	0.0523	45.2072	17.1592
18365	99.6392	125.6865	0.1011	112.7902	77.1278
531	99.6392	114.2270	4.8437	52.4727	17.1357
17991	99.5876	38.0675	0.0983	26.0638	9.2630
25278	99.5876	17.9070	0.0311	20.2940	11.9717
25647	99.5876	361.9505	0.6894	247.9105	131.6491
23194	99.5876	133.3105	2.0584	77.0038	20.4188
25264	99.5876	41.5630	0.5218	88.3147	40.3559
15888	99.5361	673.6840	0.6109	790.2653	146.7649
21002	99.5361	137.8110	0.3861	191.4369	42.9151
18274	99.5361	348.0135	4.7751	558.8275	137.4852
1918	99.4845	20.1245	0.1336	3.2394	14.2576
16649	99.4845	216.8705	0.2199	259.9159	56.4421
17075	99.4845	211.1840	5.8548	349.3276	65.4254
6525	99.4845	483.0040	5.6286	759.7738	135.9332
11258	99.4845	48.4830	3.9301	8.4739	24.7728
25538	99.4330	88.7140	1.0974	52.1067	20.0355
25411	99.4330	7.6315	0.0219	22.8935	102.7940
3910	99.4330	162.1815	0.1167	145.3141	35.4469
8661	99.4330	682.6415	566.5361	10.8047	59.9154
16482	99.4330	141.6685	0.3387	194.3194	41.7657
18482	99.4330	78.0675	0.2722	44.8844	21.6560
24327	99.4330	987.6825	4.8317	1627.0752	502.0131
11935	99.4330	127.4905	2.1729	58.1091	28.6046
8586	99.4330	80.8830	0.1343	62.5162	18.6288
3474	99.4330	342.8520	6.1391	562.2097	105.2426
17958	99.4330	73.3915	0.6555	23.1313	41.9797
16954	99.4330	60.6575	0.4589	56.2079	85.6285
3802	99.3814	95.7180	0.1739	126.6171	28.8811
17083	99.3814	94.0705	0.1407	68.1044	24.9319
1016	99.3814	178.2220	0.7651	94.6033	45.4244
25133	99.3814	35.4365	0.0898	19.0683	16.3765
24248	99.3814	59.5815	0.2199	84.6218	129.8911
8662	99.3814	678.8710	609.6066	-33.8688	71.7668
20939	99.3814	296.6510	9.3126	469.3736	64.3495
753	99.3814	90.6215	0.3415	57.5682	20.4389
16081	99.3814	202.3560	7.3978	87.7021	67.0935
2119	99.3299	19.1290	0.0863	29.3608	8.8368
734	99.3299	36.5320	0.0750	39.1366	10.8688
20281	99.3299	44.0540	0.9164	18.6465	9.6837
8663	99.3299	946.6095	661.5373	-50.7499	160.6783
18135	99.3299	204.7280	2.3278	139.0666	28.6135
13504	100.0000	-2.8185	0.0813	23.0195	17.4970
12367	100.0000	122.4790	0.5190	61.0149	15.9967
3486	100.0000	71.6715	0.0092	45.3825	18.6102
23452	100.0000	87.2960	0.1273	127.5112	27.7784

TABLE 5GG: PHENYLPROPANOLAMINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 3 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
12261	100.0000	363.4590	5.2114	188.7848	46.6706
16447	100.0000	67.7655	0.0969	22.2409	30.8260
9629	100.0000	236.6695	0.2595	109.4844	36.4261
7992	100.0000	164.3995	0.0050	139.4257	42.5549
11256	100.0000	15.6665	0.0049	45.2588	24.4283
4827	100.0000	368.6650	0.0057	297.3386	72.8624
21522	100.0000	-5.6725	0.4773	281.9593	145.1068
1906	100.0000	296.1400	0.0721	260.3344	111.4857
4143	99.9485	211.6065	0.1181	163.5920	41.4410
6364	99.9485	130.6750	0.0269	204.3970	58.9655
8965	99.9485	-6.7810	0.0523	21.9504	18.0453
19012	99.9485	859.4450	1.9898	456.8430	117.1700
4102	99.9485	45.2145	0.0106	25.3158	23.5775
24346	99.9485	22.2060	0.0057	22.7899	13.3460
13886	99.9485	89.1165	0.0219	70.9494	23.5754
11606	99.9485	38.8675	0.0389	59.8457	25.5865
9604	99.9485	1745.8500	7.3115	401.4725	410.1580
8099	99.9485	-5.3630	0.0382	23.7230	13.6996
23756	99.9485	112.8855	0.0149	488.9448	451.6976
5486	99.9485	42.9570	0.0933	-0.6565	26.3667
7852	99.9485	218.7985	0.1337	311.1944	72.4066
7584	99.9485	-11.1985	0.1435	52.0467	68.1599
23730	99.8969	38.6280	0.0354	24.8364	14.4108
14720	99.8969	104.1585	0.0884	50.4903	41.8844
12399	99.8969	215.2455	0.1605	145.4078	40.4092
7285	99.8969	247.7395	0.1167	216.2511	38.4607
5775	99.8969	152.3685	1.5549	27.7251	47.4649
6192	99.8969	-354.8340	8.0441	237.4106	255.7853
7193	99.8969	20.8670	0.0311	2.5197	19.4278
22267	99.8969	130.1385	0.0926	85.0324	51.7028
5983	99.8969	487.2100	0.1839	583.5955	202.5020
3162	99.8969	366.2300	1.5005	200.6923	67.7833
2582	99.8969	171.0265	0.5480	92.5514	34.7755
2674	99.8969	224.5095	0.0332	267.6288	131.5045
18188	99.8969	39.1870	0.0255	31.5260	17.8793
15089	99.8969	213.8270	0.3606	131.2459	49.1067
23644	99.8969	-25.2295	0.0983	36.3866	35.2960
14028	99.8454	193.4115	0.4264	123.9913	57.6787
6667	99.8454	71.0770	0.0424	91.2817	19.4419
13673	99.8454	50.4420	0.0255	28.8487	11.8323
8458	99.8454	266.1145	2.8235	166.1049	30.2839
24200	99.8454	779.5775	0.2510	653.9327	203.8749
10665	99.8454	284.4280	0.7693	162.6899	74.5278
12289	99.8454	40.3230	0.0792	22.4664	15.4457
23952	99.8454	15.6945	0.0686	45.1670	23.7826
19121	99.8454	3057.4551	0.5289	3028.0362	555.0941
7212	99.8454	70.1740	0.0438	74.6855	32.5412
20345	99.8454	145.6510	1.1215	81.5308	23.2042
10004	99.8454	77.9140	0.0764	53.1737	27.7288
8109	99.7938	33.7050	0.0269	53.8145	17.8506
22786	99.7938	799.4390	0.4737	625.2440	193.9831
17291	99.7938	4720.8425	2.9379	4713.7458	1125.9869

TABLE 5GG: PHENYLPROPANOLAMINE Atty. Ref. 44921-5090-01-WO/2105485
Timepoint(s): 3 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
14352	99.7938	206.7885	0.0686	188.1594	29.9107
4163	99.7938	-29.4145	0.2722	40.4796	49.2398
21998	99.7938	134.0315	0.2369	207.1661	96.4055
3557	99.7423	42.1170	0.2828	78.1881	24.0155
12829	99.7423	174.8815	0.2694	241.1290	56.8656
18427	99.7423	28.6200	0.0877	9.9802	17.7337
12999	99.7423	857.1445	7.8538	337.2493	308.4064
547	99.7423	689.5490	0.4455	676.8199	101.5816
7122	99.7423	344.5180	0.5233	298.6755	105.2170
14722	99.7423	349.6955	0.2581	492.6213	181.0495
10182	99.7423	45.7590	0.2051	33.4329	103.8738
17236	99.7423	747.2100	2.5428	429.2370	135.6359

TABLE 5HH: PHENYLPROPANOLAMINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 6, 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
23282	96.6321	392.8453	27.4198	265.4111	55.2418
15003	96.3731	292.5183	132.9821	95.2474	192.4612
15002	95.6477	447.0964	148.4186	208.1232	188.5442
11955	94.7150	734.8252	26.0833	1038.0379	272.5287
14017	94.6114	437.2094	93.6905	240.5996	73.6904
18274	94.1451	375.4566	28.4677	559.7208	137.2678
25556	93.2124	68.8204	5.6114	29.7573	31.8675
11745	93.1088	404.8954	25.9654	531.2629	83.2120
17255	92.6425	83.6826	15.2779	51.0805	18.0864
23574	92.6425	1552.3563	72.2094	2097.5285	437.3683
18509	92.2798	484.3571	63.9467	694.1347	146.5206
13051	92.2280	27.3324	3.6170	16.1123	6.4455
862	92.2280	310.8466	27.2636	418.1332	64.9605
20083	92.1762	48.1340	2.6821	40.3216	21.7037
18290	92.0207	509.1194	34.8874	332.0679	115.9617
17570	91.7098	307.3379	28.6175	209.2414	61.3221
11953	91.6580	398.8276	77.9296	662.3780	184.8179
15166	91.6580	514.5230	52.5308	739.6475	145.8042
16514	91.6062	430.0497	48.1219	614.0355	129.4950
18378	91.0363	128.7649	7.9406	165.6063	31.0429
25589	90.8290	364.5660	41.5931	255.7049	60.3220
18686	90.8290	572.7926	104.2364	911.7203	228.8290
11954	90.7772	1672.2456	175.0063	2344.3517	494.6533
16007	90.2073	50.4853	6.4947	29.7826	22.9260
24598	90.2073	315.7369	10.3925	264.4997	43.0715
25918	90.0000	80.6966	8.3625	54.8994	39.3756
13323	89.9482	223.7043	31.6749	139.5109	113.3996
25377	89.8964	49.8599	12.7428	27.0748	15.4113
11531	89.8520	1192.2064	583.2821	404.9046	287.4400
18687	89.7927	485.6997	71.5381	738.1348	185.6825
11530	89.6447	714.7133	319.9269	208.3621	168.4034
18480	89.5855	466.2059	97.7725	257.8981	127.8104
19710	89.4819	69.3371	11.2650	48.5251	23.1099
1529	89.4301	61.6946	2.7659	50.8535	13.3227
11994	89.3264	84.3529	10.8849	121.4100	26.2193
20848	89.0674	1955.7463	153.6749	1610.9763	277.7725
18275	88.9637	403.5536	32.5152	524.5248	96.3246
20925	88.9119	883.0746	122.1168	1306.5312	334.9510
20832	88.9119	1360.6574	100.1177	1774.1365	387.1552
1190	88.9119	29.0673	3.8404	16.4193	9.0588
20875	88.4974	458.3149	46.8834	689.7731	204.4667
18246	88.3420	45.6010	9.1258	23.0123	36.8751
22781	88.2902	190.9210	40.6469	123.2367	56.2668
15213	88.2902	36.7447	7.9841	18.4398	12.8703
16566	88.1347	46.9776	5.7708	33.5268	10.0833
8829	88.1347	349.8157	26.7008	268.0625	71.0694
20938	88.0311	1613.9081	152.1232	2056.1340	353.1722
10888	87.9793	71.3309	11.1992	52.4854	31.1755
1258	87.8756	33.1121	5.3294	16.5840	15.0523
16468	87.8238	1624.4816	97.1392	2021.7983	356.3830
1763	87.7202	125.3086	60.4036	109.4191	149.6196
25692	87.7202	264.4379	46.7915	173.7627	77.5621

TABLE 5HH: PHENYLPROPANOLAMINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 6, 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1743	87.6166	24.7713	2.2076	20.7862	10.9283
2262	87.3575	118.2704	6.9616	95.9424	26.4851
9124	87.3057	223.1137	7.9505	213.4996	42.7349
16340	87.2539	60.3917	9.4543	31.0146	23.1173
17203	87.2539	1772.4377	199.6902	2512.4899	721.4748
1048	87.1058	90.5180	37.1124	31.8054	22.7416
425	87.0466	35.5210	6.0923	20.8300	11.6333
7207	87.0022	67.7761	21.4276	32.6028	15.6886
9029	86.9948	334.8343	21.9516	444.5613	106.2402
14015	86.8986	272.5329	107.2673	101.1813	67.1043
15011	86.8912	120.9673	17.9317	84.6938	28.9688
18569	86.8468	3045.8633	766.5001	1593.0368	600.0095
21416	86.8394	157.8959	22.0795	110.5525	38.4310
20582	86.8394	361.1994	49.1565	493.3099	97.9212
20417	86.7876	307.6200	25.0861	235.6386	62.5571
17305	86.6839	3601.7647	221.6319	4627.6390	1378.7428
20628	86.6321	466.5057	66.0002	316.5499	131.9943
11989	86.5803	50.2694	6.4633	35.6511	12.9634
25590	86.5285	73.1583	5.8480	59.0984	23.5690
20855	86.5285	569.9809	39.3160	700.8075	122.7485
623	86.5285	147.8191	10.3632	164.9374	60.4766
14621	86.4249	132.9804	10.6645	169.2472	36.9981
18770	86.3731	556.1281	53.8248	688.1387	104.3536
17686	86.3212	963.0883	48.2210	1133.9716	219.4970
20856	86.3212	942.6401	51.6837	1096.2841	187.3694
25716	86.2176	1109.6887	150.5948	807.0937	362.0858
1929	86.1658	741.1960	62.4841	950.6275	205.9505
1427	86.0622	29.5961	5.8026	15.8735	10.9553
17759	86.0104	49.6866	10.8265	85.4551	36.7873
23710	85.9660	529.3191	73.5864	329.4104	100.0248
17159	85.9585	1260.6044	101.0225	1019.7509	246.1818
11966	85.9585	305.8084	25.9266	381.2756	69.6767
23011	85.8031	39.4394	4.3848	29.7453	9.0599
16546	85.7513	172.7831	38.3790	261.2547	70.6676
20879	85.7513	46.6570	7.3709	81.3752	45.6809
449	85.7513	2997.3389	246.8743	3834.6812	1041.0001
15291	85.6477	47.0491	4.1811	35.9738	9.8753
20997	85.5959	61.9484	5.9282	45.2079	15.5244
450	85.5959	3128.0366	170.6099	3755.0537	786.3385
22670	85.4922	73.1264	6.9285	58.6469	22.3076
1061	85.4404	86.9340	22.3149	73.3214	45.3425
25686	85.4404	1035.4801	46.0477	972.7482	197.9158
17564	85.4404	322.3890	27.0546	415.0968	80.8663
17345	85.4404	189.0813	14.8041	150.9683	38.5857
3692	85.4404	173.2706	10.8216	175.4433	50.7958
17394	85.3886	446.1611	53.8995	355.1608	92.2841
15150	85.3886	111.2653	16.6139	154.2286	39.3321
16524	85.3886	27.0314	1.4365	24.0146	6.6058
3211	98.0311	66.6360	34.2891	5.9667	17.9288
22077	97.0984	363.6396	107.5762	163.4551	61.1284
367	96.9430	94.7897	23.9348	27.9197	20.3222
21284	96.8912	62.8293	24.6617	12.2743	17.5318

TABLE 5HH: PHENYLPROPANOLAMINE

Atty. Ref. 44921-5090-01-WO/2105485

Timepoint(s): 6, 24 hrs

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
320	96.7358	1210.3160	72.5440	1885.0138	377.0402
6606	96.2176	3922.3684	505.7537	1863.5623	759.4628
5876	96.1140	1839.2570	114.7470	2768.0950	622.9893
24209	95.8031	91.4460	34.1551	2.7632	41.7302
13293	95.3886	229.8451	22.0740	116.1949	53.1753
13227	95.3886	81.3164	9.6413	138.7205	35.5848
14871	94.8705	215.3607	41.5905	123.1735	34.2931
11404	94.7668	150.3903	16.7821	104.6500	35.2325
2822	94.6114	91.8054	9.6384	135.4241	26.8619
2765	94.1969	183.5886	19.0895	115.0886	33.3684
17679	93.8860	343.9430	34.0654	517.0982	116.2747
13786	93.4715	14.4553	7.8845	74.7719	36.6844
2339	93.0570	306.7930	10.9140	386.3540	75.6052
2292	92.7979	25.2096	13.6850	-71.6174	71.0186
5929	92.6943	209.0469	22.1540	137.3411	38.7212
7740	92.5389	428.8254	45.4969	299.7705	66.9086
4891	92.4870	103.6429	19.0689	57.8671	25.1173
15085	92.3834	743.4240	45.8589	973.9295	173.8610
6731	92.2798	62.2046	9.5695	36.2936	15.2971
23013	92.2280	444.5369	41.6573	327.2587	66.8489
2479	92.1762	58.0911	6.0372	36.3388	17.7573
4073	91.9689	644.9791	74.1188	1029.5107	285.9729
2140	91.9689	209.0921	12.5349	304.0739	78.0431
2210	91.7617	2139.1216	135.2739	2737.1711	440.8233
2085	91.7098	1261.3720	78.2204	1731.5486	370.4574
11363	91.3990	315.3564	23.6801	210.2154	72.5573
16547	91.3990	461.0147	64.7025	725.5751	191.6030
4480	91.3990	41.1996	10.5207	7.3608	19.7165
3100	91.3990	794.9033	65.6045	1097.4930	215.4171
22266	91.2953	343.4190	13.1320	288.1070	53.1166
12117	91.2435	441.3817	36.2464	591.7778	123.9976
17914	91.1399	202.8573	20.2436	329.1647	103.5805
8609	90.8808	86.1916	8.4037	54.0325	20.7432
24314	90.8290	42.9569	5.1119	27.7019	10.7034
6281	90.7772	257.7624	27.9984	361.0210	72.9734
12581	90.6736	68.4811	11.4932	46.8436	19.9619
21446	90.6218	132.5327	6.9337	103.4067	25.3453
18151	90.6218	257.7351	12.2031	331.2631	71.1854
8692	90.6218	134.0539	73.2045	294.2883	95.2647
7147	90.5181	853.3451	41.3161	1022.9910	159.9812
2363	90.5181	1101.3957	92.1394	1401.1085	254.0833
12887	90.4145	510.7066	47.6326	681.5103	136.1835
13929	90.3183	266.3954	67.2132	110.0210	47.6954
12583	90.3109	40.6801	5.7975	28.6403	13.1969
13826	90.3109	1059.8284	121.9072	1392.5923	237.9938
15685	90.3109	915.3636	83.4273	1260.3512	258.3780
8180	90.2591	76.0079	9.2527	43.5807	22.4886
13645	89.8964	142.6637	7.1546	108.4173	27.0982
3973	89.8446	60.4890	4.6992	44.4703	13.9335
6969	89.7927	399.7476	63.0653	581.1672	129.8956
2316	89.7927	164.8530	11.1358	118.7672	37.2458
21948	89.7927	326.6289	16.6420	425.4622	91.7499

TABLE 5HH: PHENYLPROPANOLAMINE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 6, 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
12450	89.7409	649.2902	71.1500	921.7609	230.2443
16777	89.7409	3862.9322	219.1471	4933.5552	907.8733
18104	89.6373	33.0127	7.9853	14.0382	11.4553
11086	89.6373	33.5664	9.1862	13.4786	13.1159
12878	89.6373	115.4013	12.0559	81.3163	24.2775
14013	89.6373	123.6516	24.3626	53.6167	52.4413
19118	89.6373	123.5876	6.3026	152.9155	39.3103
23296	89.4301	187.5871	8.8887	231.0563	38.7801
3213	89.4301	232.0496	8.8971	257.7325	57.6724
17847	89.3264	764.5647	65.5905	989.3253	179.9629

TABLE 5II: ROSIGLITAZONE		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
24472	99.7420	374.5527	1.4637	244.0565	52.0969
12253	99.5356	67.2170	1.6809	23.7028	22.5981
1316	99.4324	220.4330	0.6163	220.3667	67.6377
11857	99.3292	23.4130	1.7704	97.4638	43.8486
12022	98.8648	13.3380	1.7736	49.2371	23.7502
8098	98.7100	664.3467	13.1359	461.1968	97.7406
21801	98.7100	275.7437	19.5469	159.9897	36.2335
24875	98.2972	37.8720	0.2612	30.1976	12.9865
5497	98.2972	65.3230	0.2242	64.6593	17.3946
15975	98.0908	42.0350	0.3971	56.9127	24.7697
21350	97.9360	13.7053	1.8179	45.0369	18.3348
7505	97.8844	144.1997	0.7750	125.3235	24.6020
18317	97.8844	629.8513	5.9087	634.9720	291.6547
17854	97.8844	327.4563	58.2752	161.6262	43.1507
951	97.8844	44.4547	2.8004	17.1017	14.0243
18402	97.8328	54.1813	3.2482	27.5530	9.5239
17896	97.7812	22.5927	0.7072	19.6479	15.6981
20421	97.5232	144.1200	12.2177	86.3885	18.1558
15311	97.3684	32.9633	0.7168	48.1633	21.7810
17530	97.3684	107.8800	0.6250	95.1970	23.9127
15364	97.3168	71.8460	0.7089	58.6785	19.5286
16016	97.2652	33.4540	0.5998	22.9672	8.1713
20600	97.2652	44.5330	2.5682	21.3412	12.9524
17752	97.2136	81.6657	14.7103	29.7740	15.5684
25070	97.0588	162.9857	1.0567	160.2047	36.8995
501	97.0072	20.1930	0.3634	25.8435	13.9533
1708	96.9040	44.4910	0.5296	54.3027	15.9547
18621	96.8524	-5.7877	1.6834	34.6783	31.4197
19512	96.8524	1588.0173	48.5040	1082.3959	326.4748
15077	96.8524	97.6783	11.2089	49.3145	88.6180
20982	96.8008	145.7583	7.6887	221.6117	51.0323
23042	96.6460	197.3407	8.6586	106.7764	46.1545
18444	96.5944	20.6473	1.0310	7.6059	66.5132
14285	96.5944	25.4840	0.1620	23.6379	6.4633
11794	96.5944	46.2100	3.1632	21.6649	12.3448
15136	96.5428	1155.0750	12.7427	1073.2833	274.6143
1467	96.5428	61.8283	16.5016	131.3942	30.1303
7594	96.4912	28.0340	0.5483	21.6667	9.7468
15353	96.4912	28.4327	1.0063	19.3194	16.9895
16446	96.2848	38.8180	0.4042	34.9380	9.2352
23551	96.2848	46.8823	3.2267	18.8815	17.5348
15190	96.2332	105.7410	2.7242	244.0274	340.9260
17350	96.2332	40.8510	2.3119	69.9725	23.8683
25793	96.1300	4.2637	0.8715	22.9080	13.7883
1028	96.0784	9.9707	0.5105	22.7991	17.4441
1376	95.9752	23.5600	0.5183	16.9839	5.9008
20056	95.9752	105.1077	5.6354	153.9815	29.3965
20818	95.9752	185.2633	5.4172	137.3185	39.7174
24718	95.9236	18.8950	0.6354	27.9234	8.9048
1323	95.9236	197.1023	4.0302	183.9743	78.7005
4500	95.8720	414.6623	43.8882	284.2921	53.4068
24617	95.8204	30.8503	15.5449	-5.4250	15.3317

TABLE 5II: ROSIGLITAZONE Timepoint(s): 24 hrs		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
546	95.8204	194.8440	3.1588	230.1816	51.1955
16681	95.8204	21.6667	5.1952	2.4465	9.8341
4832	95.7172	775.9433	8.5998	877.0880	211.0522
983	95.6140	128.6430	1.4157	119.2699	32.6170
8139	95.6140	23.1377	1.3032	12.1322	7.7866
19909	95.5108	21.1263	0.8218	35.7468	22.6303
16456	95.4592	255.4150	22.1686	159.3539	43.1845
15957	95.4592	556.3827	29.7318	364.8595	103.2332
20890	95.4592	118.9190	17.5009	61.3683	29.0677
506	95.4076	15.0697	0.4476	21.5576	7.4886
16715	95.4076	38.3687	4.2783	15.5772	12.6152
18898	95.3560	54.2523	0.8445	62.3646	14.7063
22145	95.3560	98.1663	3.8046	62.9135	33.4365
24628	95.2528	447.0150	41.9194	312.6532	61.2449
18563	95.2528	49.5193	10.3168	25.7709	8.9952
104	95.2012	28.1137	0.7287	36.4934	11.1743
22584	95.2012	57.9050	7.0705	30.3178	13.4558
19505	95.2012	75.6870	4.1889	49.6742	16.3861
15980	95.0464	125.0830	19.6528	77.0015	20.9698
17287	95.0464	64.3560	11.7193	31.8702	12.4662
4133	94.9948	143.7777	8.5126	103.6586	20.9762
15748	94.9948	41.3827	1.3871	26.1896	12.0762
11982	94.9948	49.1207	0.9843	38.9172	13.5343
23871	94.9432	29.7637	0.6199	42.2141	22.8888
18949	94.9432	140.1103	1.4782	151.1395	38.5018
1822	94.9432	21.5107	0.4403	23.7649	9.6350
22625	94.9432	108.8400	12.9449	65.9630	32.1963
957	94.8916	17.5493	1.1851	34.9745	22.7440
15511	94.8916	526.8320	7.8951	512.3926	127.6345
24697	94.8916	190.7280	7.0129	155.0495	43.0660
15844	94.7368	39.7727	0.5520	39.7593	11.8411
17508	94.7368	40.9170	1.0277	30.7312	10.7056
6892	94.6852	80.6820	1.5026	68.3677	36.1805
22916	94.6852	898.5600	35.8058	667.8349	138.1971
21972	94.6336	169.8320	1.7219	166.5296	33.5529
15165	94.6336	220.2500	6.6959	179.3605	54.2251
23705	94.5820	436.1430	70.3843	264.3237	68.1876
19124	94.5304	80.5830	20.9013	26.8310	22.5233
16155	94.4788	20.0507	0.4562	27.4904	16.4814
16082	94.4788	72.9257	14.5015	37.5357	15.8036
10886	94.4788	29.2663	5.0680	89.4606	71.7197
82	94.4788	8.3277	19.7431	35.7844	13.6356
19667	94.4788	23.2083	1.2392	9.3084	14.6636
24471	94.4272	124.0640	5.3375	89.1225	32.4936
15598	94.3756	445.8727	97.3531	769.5472	158.9894
16675	94.3756	49.2383	8.7158	23.6577	17.4757
1638	94.3756	98.9327	5.8472	152.7614	49.9279
20647	94.3756	30.8430	1.9821	15.5861	10.3438
9979	99.5872	9.8250	0.0605	20.9416	12.0624
13266	99.4324	36.1200	0.5561	95.0549	45.4090
10004	99.3808	44.3577	0.1781	53.2520	27.7615
3547	99.1744	73.7057	4.8615	8.1680	17.5728

TABLE 5II: ROSIGLITAZONE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
2055	99.1744	32.4663	0.2568	47.7918	16.5450
23828	99.0712	59.2920	0.2020	58.3427	27.8960
5996	99.0196	85.4693	0.1695	86.7945	25.2704
20924	99.0196	920.4167	24.3389	556.9585	145.0918
6014	98.9164	106.4107	0.4908	81.6568	48.1453
5513	98.9164	26.9637	0.0876	24.2733	19.9713
7520	98.8648	39.0613	0.1274	38.8223	22.9392
6821	98.7616	125.9117	0.9537	181.8108	52.3404
2261	98.4004	4.0707	3.0124	46.7104	24.7259
9838	98.3488	364.5093	5.9464	226.8268	103.4810
10233	98.3488	46.7777	13.2959	142.1598	44.0484
24146	98.2972	137.2997	2.0674	202.1487	49.6015
10900	98.2972	119.5810	0.5910	118.5750	39.4364
3257	98.2456	51.7370	12.5226	198.1059	74.7974
21508	98.1940	106.3280	2.5616	77.0680	16.5581
11160	98.0392	48.3053	1.3174	83.3922	56.6098
23277	98.0392	68.8487	2.0289	30.8753	23.4431
12043	97.9876	308.3733	44.4038	128.5108	79.4231
3969	97.9360	504.4400	8.5411	361.7481	93.5438
11412	97.9360	159.9210	3.9050	85.4271	40.4729
7715	97.8844	13.0380	1.1861	33.6916	11.9323
6745	97.8844	53.2420	8.7023	-0.2863	34.9115
18811	97.7812	43.8537	0.5556	54.5499	22.4362
22737	97.7812	1095.0910	10.4442	1368.8336	415.2679
3353	97.7296	130.9480	1.4366	93.8077	27.0583
4080	97.6780	258.0857	1.5790	209.6585	63.3883
3625	97.6264	512.6547	10.0059	344.9622	125.2036
14901	97.5748	7.2960	0.8259	38.1981	31.5191
23998	97.5748	60.1213	1.2333	37.6604	14.2978
3316	97.5748	81.3407	1.4270	55.7346	29.2755
17664	97.5232	64.0910	0.4108	68.5611	29.4583
12690	97.4716	41.8730	0.3260	51.9646	16.9768
23937	97.4716	14.6573	0.3017	21.4351	24.0086
14101	97.4716	71.3150	0.8348	94.0315	25.2719
20106	97.4716	108.5207	2.6341	198.3327	102.5249
23237	97.4200	551.6417	19.8714	865.9790	172.2860
14463	97.4200	500.6007	12.7741	356.3683	79.5826
7903	97.4200	44.3393	3.9227	17.2892	12.8793
23289	97.3684	68.7267	0.5748	77.1676	23.8858
21754	97.3684	1274.0653	329.9235	636.6764	170.1959
13592	97.2652	55.3620	0.7405	38.8405	31.8436
11024	97.2652	23.1620	1.0596	14.5000	53.2536
17231	97.2652	145.6970	1.5258	161.5773	76.3897
12102	97.2652	19.9853	20.1603	162.0343	112.7268
6251	97.2136	528.9010	2.2359	509.5125	98.0853
22755	97.2136	69.1977	0.8980	94.8261	33.3201
7880	97.2136	203.4163	15.0982	73.9560	59.7649
8273	97.1620	2325.4020	280.9567	1458.7760	282.3528
13712	97.1104	42.3873	3.3615	49.5530	176.8279
19005	97.0588	81.4817	13.5572	32.5703	21.4578
4774	97.0588	298.2953	23.5386	179.0155	45.9753
2534	96.9556	59.4027	0.6839	47.0757	13.7709

TABLE 5II: ROSIGLITAZONE			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): 24 hrs					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
19474	96.8524	482.7043	4.7665	451.1035	171.2731
23929	96.8524	119.9370	3.0490	84.1205	26.0640
6829	96.8524	71.9370	2.2959	47.3094	17.4432
884	96.8524	157.9607	1.5650	149.8314	41.4744
16668	96.8008	126.9523	2.9561	85.1508	27.2459
8124	96.8008	82.3080	7.0661	40.3686	17.8861
2456	96.8008	113.5797	6.5179	71.7085	22.5480
5002	96.7492	106.6370	1.0650	127.3864	25.2245
21604	96.7492	555.9780	80.8008	321.7814	84.0405
19467	96.7492	189.9040	11.3668	298.0918	72.6472
22439	96.7492	127.7150	17.7419	55.7336	52.2231
3997	96.6460	50.1093	14.4782	139.3108	40.4989
10532	96.6460	97.7030	3.1952	70.9501	20.2826

TABLE 5JJ: GENERAL		Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): All					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
22499	75.6185	34.2595	16.8535	18.2323	9.4155
1530	74.2041	156.4787	33.4574	199.8098	39.7345
11422	73.1898	85.9764	29.2380	118.9154	30.0944
15402	72.8374	285.6013	59.4143	340.2954	57.4511
17217	71.9823	350.7624	83.8685	419.1402	72.1336
1521	70.7964	98.4309	43.5447	63.7035	29.5109
4473	70.4132	90.9636	22.7675	114.9192	25.6330
9378	70.2415	100.9102	39.0637	135.8928	38.9239
17215	70.1358	140.3519	46.7323	173.9482	36.5854
5049	69.4194	653.5915	198.0143	761.5973	154.5657
19976	69.3990	40.2866	10.3838	50.3488	12.1908
24875	69.2614	21.6493	10.7901	32.1978	12.7463
11423	69.1954	157.6573	49.6884	214.8633	66.0918
23058	69.0237	232.9766	65.6118	295.2279	67.8701
20972	69.0010	845.8319	228.4433	1028.8737	206.7711
15761	68.9464	23.3670	16.7164	34.5911	14.8369
18655	68.7418	107.6260	62.1282	167.7966	57.8838
19650	68.4950	263.9817	56.8728	325.8264	64.7982
8210	68.3631	57.4586	22.8477	80.0516	27.4342
21444	68.3597	136.5334	82.1857	71.1793	38.0707
1340	68.2733	1100.5494	220.9089	1290.4251	198.7156
19279	68.2403	158.3076	24.7864	179.0857	21.3291
10743	68.2199	139.7771	37.2153	170.4504	42.1306
20448	68.1937	200.0502	283.8492	54.1081	31.5035
17137	68.1414	656.8594	253.9941	892.0875	228.5328
16342	68.1414	28.4823	13.5937	36.5884	11.7237
20848	68.0470	1790.4577	279.1314	1568.6877	254.0128
10248	67.9470	380.7530	114.3829	294.6245	71.8207
13789	67.8560	35.6846	11.4824	49.3703	14.5261
6980	67.8105	119.7477	42.4442	154.0515	38.5185
16725	67.8083	21.0355	12.6859	13.3580	7.6181
23368	67.7832	342.8849	89.3216	422.9070	86.0283
12010	67.7571	161.2940	37.9738	198.3717	49.9862
16123	67.7093	151.7510	84.6333	97.4968	34.5563
24362	67.6127	70.1349	21.0065	83.7830	19.9340
4339	67.5354	330.9076	59.9258	376.9540	58.0307
15379	67.3819	86.2432	32.6069	115.5606	35.7516
1271	67.3750	71.4633	17.5343	82.4708	14.7182
20177	67.3102	28.9418	16.2224	45.2501	18.6935
17296	67.2704	31.4375	8.7784	37.8552	8.0298
24763	67.2386	145.2555	55.4727	178.1109	61.5849
17601	67.1385	177.2865	41.5957	208.3250	38.2134
25545	67.0726	292.3751	125.5411	360.7596	112.0516
16205	67.0123	1735.3080	245.2707	1528.1296	279.4525
10887	66.9805	67.1386	21.2123	91.3261	30.9001
20729	66.9566	698.2047	127.5898	788.2066	117.8244
16518	66.9543	1021.8743	506.7264	732.4187	169.6207
18403	66.9339	2385.3237	624.8610	2798.2098	541.7250
64	66.9032	97.8079	25.3021	124.9819	33.1042
13092	66.7474	154.7147	56.2731	198.6891	54.3053
24234	66.7451	103.2255	54.4972	72.8244	23.1475
13574	66.6905	114.3515	29.1618	98.1320	20.9062

TABLE 5JJ: GENERAL Timepoint(s): All		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
3692	66.5893	155.3092	29.6198	181.2876	51.8793
15032	66.5382	33.1735	8.9006	39.5999	9.7445
20734	66.5132	145.0892	98.4298	87.0347	26.7804
11352	66.4768	266.1557	69.8218	311.6899	59.9196
16204	66.4711	1406.6185	208.4569	1244.8317	193.7024
17218	66.4677	313.9458	79.0318	376.5280	94.0896
18360	66.4563	346.4218	85.2672	426.0018	103.2818
1719	66.3949	156.4190	48.4436	192.6382	46.9362
19048	66.3517	52.1643	20.6674	68.5798	24.8104
16947	66.3460	64.6320	19.0932	77.9823	20.8584
21722	66.3392	78.8460	28.5022	97.4257	24.5642
19649	66.2733	77.2451	23.2617	99.7705	22.8430
15767	66.2687	185.6237	46.5275	222.2000	50.5705
561	66.2516	430.8957	72.4243	495.6473	76.5463
23300	66.2346	952.1552	173.8440	1085.2464	163.2462
24662	66.1027	156.7100	39.5070	183.0955	38.7900
25479	66.0254	1722.2655	325.7824	1991.8786	338.8588
15468	66.0083	1436.5322	229.7038	1276.1137	212.9131
11530	65.9230	382.9851	353.7153	177.7582	87.6155
8211	65.8912	828.4386	237.9910	659.2601	154.1607
24873	65.8560	379.1240	64.7791	435.5892	77.2116
19278	65.8173	90.0442	30.9386	116.4107	38.5619
14580	65.7684	26.6497	11.7230	32.3422	13.6095
1170	65.7479	90.3365	27.3135	72.4629	17.7150
21069	65.6854	41.7827	10.6361	51.4599	14.6778
4327	65.5387	108.9996	31.7510	88.2913	26.4895
24419	65.5251	87.8761	57.7349	60.3946	71.2141
11745	65.4910	479.0887	84.5144	542.6919	79.8628
23715	65.4603	32.3760	54.2645	6.1169	14.4939
13938	65.4421	77.6296	19.5470	93.8024	22.4060
7164	65.4148	75.5764	21.5404	94.6448	27.7397
25795	65.3875	278.7450	102.4319	364.5919	132.0502
15410	65.3750	1163.7670	225.4294	1323.9725	212.6852
15617	65.3625	22.0207	10.8451	13.6338	7.1597
15125	65.3568	73.4162	25.4616	55.7064	17.4314
4448	65.3261	29.2971	10.2480	36.2998	10.4588
24420	65.3238	1652.0605	361.4076	1453.4235	277.2366
3623	65.3034	30.9912	14.5403	40.3320	13.1050
17963	65.2818	191.6866	68.4033	233.2032	76.8655
16485	65.2715	193.8563	39.4326	223.3569	43.3008
10185	65.1976	26.7998	12.4135	32.3165	9.7942
1731	65.1874	225.8634	77.9986	280.1050	71.4705
17374	65.1567	249.3977	41.6200	282.5205	59.8285
11966	65.1283	340.4083	61.8618	389.6810	68.3133
15041	65.1123	20.4580	12.9306	17.6363	22.8917
1841	65.0987	80.2937	32.1224	57.3336	25.8529
10016	65.0919	240.9787	88.2186	193.9152	52.6454
1715	65.0816	126.6321	32.8328	108.8386	24.9623
23780	65.0680	20.9706	12.2426	31.2656	15.8604
9826	65.0339	31.0955	14.2829	41.2229	14.9068
10015	65.0259	254.6920	86.7035	210.1809	54.9484
25895	65.0237	8.6614	17.4251	20.4931	21.4915

TABLE 5JJ: GENERAL Timepoint(s): All		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
1727	65.0214	60.2738	36.8581	41.1555	29.0110
23336	65.0180	78.2744	21.6816	96.2845	24.4844
19326	65.0168	65.5375	20.4478	53.0026	20.4891
19022	65.0066	95.9416	26.5834	109.1019	27.2374
25594	65.0009	349.0339	62.1185	385.2526	62.3908
16192	65.0009	34.5344	9.0067	41.1047	9.9814
2448	76.8158	74.2112	19.8277	100.7353	20.1242
22939	75.1842	39.3657	41.2712	86.1641	33.9869
4479	72.7248	228.3896	100.9083	145.1523	76.0803
9976	72.2904	491.7338	202.1302	670.8533	145.1039
22930	72.1870	217.4787	140.3171	357.4950	131.3775
11426	71.7788	430.7607	141.9394	576.5768	141.7497
12662	71.6128	59.2040	32.3768	90.8955	26.9766
22678	71.2171	240.9209	48.3079	298.3937	55.4801
24171	70.7100	74.3770	22.6059	97.4837	23.2611
13428	70.6986	65.2547	20.1172	81.4399	19.7620
19220	70.4223	343.5755	79.9381	422.1556	68.5468
4909	70.4177	137.6288	51.9239	192.9884	52.6384
7868	70.3188	100.1702	31.4308	134.8450	36.8073
8820	70.0152	306.1685	131.6133	416.2712	114.1028
15596	69.9209	921.6366	213.7143	1113.8680	177.6359
4730	69.9209	938.7402	250.0683	1105.9844	192.0489
4253	69.8606	129.7892	40.9456	163.8501	34.9888
3304	69.8401	246.1395	57.3973	320.9397	79.5986
11399	69.8231	121.1745	49.4948	160.5642	48.4350
2331	69.7207	777.1228	653.0431	317.3893	197.5116
24051	69.6184	117.0387	31.0186	150.0066	31.1072
11680	69.4967	199.3478	39.9329	226.2258	34.2756
14494	69.4353	196.4649	42.6964	232.1137	32.0114
20953	69.3035	722.8413	152.7183	865.5185	121.5070
2196	69.2204	369.0324	73.7154	314.7563	52.8844
4285	69.1932	257.5456	74.2533	312.0967	54.7004
9633	69.1932	82.8350	45.8355	112.2171	34.7979
21997	69.1886	265.5388	73.6475	343.0222	76.1280
8619	69.1011	52.3146	29.2644	79.2878	29.7707
14095	68.9567	162.5993	39.5793	193.2475	35.8449
9317	68.8577	589.7563	156.9397	694.6903	135.0163
8917	68.8520	134.8922	40.7874	174.6518	35.4760
22130	68.8475	180.4303	49.2285	222.9292	52.0793
14776	68.7918	387.6523	82.4764	453.2932	75.4357
12435	68.7202	192.5566	44.7331	237.4061	43.5750
16124	68.6792	324.6097	169.9924	212.2391	55.5821
6550	68.6099	375.4099	91.4847	469.2689	93.3862
3043	68.5928	112.5273	35.1563	143.1731	30.3926
13826	68.5325	1219.1377	228.4679	1434.0857	217.1109
5863	68.4939	264.4685	63.6224	311.1134	54.0255
7785	68.4166	18.3555	25.9962	36.4874	21.6407
2803	68.3722	138.3072	54.9376	183.4522	45.2714
14700	68.3438	50.6679	20.6625	36.6629	13.0915
15449	68.3245	247.8878	62.7630	308.6923	71.0213
11897	68.2904	33.8856	11.4193	40.8550	10.4420
6263	68.2358	172.3906	46.0848	211.6096	45.1407

TABLE 5JJ: GENERAL Timepoint(s): All		Atty. Ref. 44921-5090-01-WO/2105485			
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
11246	68.2028	91.1100	26.1558	113.3934	27.4628
22081	68.2017	196.6991	49.8133	238.1235	42.4566
6946	68.1960	463.8221	106.1912	523.8894	92.4231
16599	68.1630	481.9139	159.4526	608.6746	132.1457
11346	68.1198	86.2982	59.0297	133.2276	58.5674
12819	68.1096	432.2876	85.9746	504.2326	92.5986
22692	68.0971	432.0026	111.8651	519.1002	100.0788
12117	68.0413	517.5391	142.7068	610.0512	111.6380
14654	67.9811	247.5209	89.6507	300.3160	70.1127
11696	67.9595	112.8963	44.9690	145.3375	40.0203
16752	67.9492	73.7208	50.4746	115.6206	50.0369
18251	67.9197	86.9313	23.1752	70.5075	16.0715
6758	67.8810	23.2318	13.6344	14.3589	9.5633
5668	67.8765	61.2483	34.8436	86.7686	31.1453
6645	67.8230	126.1081	28.5670	149.3772	32.0343
18206	67.8105	259.8077	52.0249	213.7398	49.5328
2373	67.7832	315.5731	87.4847	397.0314	82.1406
4855	67.7002	54.6195	21.2220	71.0632	20.0774
6686	67.6457	283.0167	56.5288	346.3295	55.6461
10650	67.6411	605.0163	199.5154	772.0382	226.1347
17524	67.6343	1027.3541	226.9904	1192.6757	194.6795
4052	67.5570	395.4532	97.6496	468.9675	87.9716
4145	67.5354	1500.2723	281.6434	1281.0845	292.0936
11752	67.5069	1644.3102	418.3417	1893.5383	325.1941
11424	67.5035	474.7738	132.3324	609.3307	161.0273

TABLE 5KK: General Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): All					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
22499	75.6185	34.2595	16.8535	18.2323	9.4155
22321	75.1990	310.8506	167.1420	146.9295	47.6714
20461	75.1842	62.7182	22.3949	88.6019	20.7951
21975	74.9238	268.8610	123.7110	162.1553	50.7833
1530	74.2041	156.4787	33.4574	199.8098	39.7345
15003	74.0688	321.4460	390.6709	46.5067	36.3258
3431	73.4582	792.2635	219.3143	591.5221	122.8562
15002	73.4241	432.4998	364.4478	159.8612	50.3720
11422	73.1898	85.9764	29.2380	118.9154	30.0944
18654	72.9079	152.9391	71.7638	231.9206	55.9597
15402	72.8374	285.6013	59.4143	340.2954	57.4511
17217	71.9823	350.7624	83.8685	419.1402	72.1336
16080	71.7594	67.3947	76.5776	7.1628	23.8680
19710	71.7106	75.2188	37.0771	44.2077	15.7666
21657	71.5457	1185.4910	270.7155	902.5884	167.2371
16081	71.4013	168.3883	130.2839	73.2613	37.7272
6684	71.3603	27.7588	16.1172	44.4057	15.4531
1892	71.3467	1642.8702	683.5585	1116.1400	239.3556
21683	71.3410	97.1756	67.8425	40.2851	17.0137
16312	71.1978	111.6100	72.4940	60.1567	18.3006
18313	70.9726	3376.8495	897.5373	2652.8504	565.6103
1521	70.7964	98.4309	43.5447	63.7035	29.5109
20449	70.6133	292.2106	380.2844	64.6547	57.5069
15191	70.6076	788.2982	1133.4138	61.5220	171.1551
21239	70.5974	185.6163	105.8374	109.3490	45.4813
17736	70.5474	1035.4250	693.2538	534.5436	180.7569
4473	70.4132	90.9636	22.7675	114.9192	25.6330
4130	70.3734	189.3837	78.0756	255.9001	68.0301
8829	70.2574	317.4360	76.4486	258.2476	63.7526
17394	70.2461	427.6224	96.3789	339.9802	85.1111
9378	70.2415	100.9102	39.0637	135.8928	38.9239
17215	70.1358	140.3519	46.7323	173.9482	36.5854
21682	70.1062	28.3445	64.0469	-15.4356	55.3860
22675	69.9914	48.9600	30.0366	26.0113	14.6579
385	69.7503	27.3961	21.3493	49.2124	21.8259
21443	69.6662	280.4249	116.2170	189.4061	55.3624
574	69.4842	742.5717	254.3230	573.4534	112.0019
5049	69.4194	653.5915	198.0143	761.5973	154.5657
19976	69.3990	40.2866	10.3838	50.3488	12.1908
1097	69.3091	238.2240	114.2269	318.9707	91.7227
24875	69.2614	21.6493	10.7901	32.1978	12.7463
11423	69.1954	157.6573	49.6884	214.8633	66.0918
21583	69.0397	324.4733	146.4239	375.2011	115.5780
23058	69.0237	232.9766	65.6118	295.2279	67.8701
1714	69.0135	148.3219	31.1826	182.1938	40.0553
20972	69.0010	845.8319	228.4433	1028.8737	206.7711
15761	68.9464	23.3670	16.7164	34.5911	14.8369
20983	68.8248	398.0834	113.6422	498.4937	99.1120
18655	68.7418	107.6260	62.1282	167.7966	57.8838
3799	68.6906	462.7803	191.9644	364.9625	81.7487
4832	68.5496	744.6212	207.4810	907.2128	199.1618
1435	68.5314	1107.3409	204.2324	959.6013	134.7527

TABLE 5KK: General Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485			
Timepoint(s): All						
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox	
19650	68.4950	263.9817	56.8728	325.8264	64.7982	
8210	68.3631	57.4586	22.8477	80.0516	27.4342	
21444	68.3597	136.5334	82.1857	71.1793	38.0707	
1638	68.2801	122.4597	39.2649	158.8515	42.8884	
1340	68.2733	1100.5494	220.9089	1290.4251	198.7156	
19279	68.2403	158.3076	24.7864	179.0857	21.3291	
10743	68.2199	139.7771	37.2153	170.4504	42.1306	
20448	68.1937	200.0502	283.8492	54.1081	31.5035	
17137	68.1414	656.8594	253.9941	892.0875	228.5328	
16342	68.1414	28.4823	13.5937	36.5884	11.7237	
3430	68.1062	139.4883	47.9044	102.3391	20.1371	
21654	68.0948	281.9094	148.2317	188.9304	34.6117	
2555	68.0675	67.1897	36.8268	42.6112	17.2322	
20848	68.0470	1790.4577	279.1314	1568.6877	254.0128	
17735	68.0232	1689.5961	1092.4495	972.3470	298.9849	
10248	67.9470	380.7530	114.3829	294.6245	71.8207	
11114	67.9458	58.9010	70.0447	24.7929	11.4189	
24235	67.8913	271.3439	126.9928	190.0143	48.7300	
20868	67.8913	76.0247	42.9611	43.2374	23.9546	
13789	67.8560	35.6846	11.4824	49.3703	14.5261	
18883	67.8196	95.9977	45.3994	63.0582	19.1063	
6980	67.8105	119.7477	42.4442	154.0515	38.5185	
16725	67.8083	21.0355	12.6859	13.3580	7.6181	
23368	67.7832	342.8849	89.3216	422.9070	86.0283	
12010	67.7571	161.2940	37.9738	198.3717	49.9862	
16123	67.7093	151.7510	84.6333	97.4968	34.5563	
24362	67.6127	70.1349	21.0065	83.7830	19.9340	
4339	67.5354	330.9076	59.9258	376.9540	58.0307	
25705	67.5274	483.3095	205.7122	338.5691	79.1325	
24219	67.5274	362.8953	136.9343	283.3848	55.6203	
11153	67.4671	592.1088	210.2750	448.4556	122.6381	
15379	67.3819	86.2432	32.6069	115.5606	35.7516	
1271	67.3750	71.4633	17.5343	82.4708	14.7182	
20433	67.3398	102.2437	66.1840	59.7421	20.5107	
20177	67.3102	28.9418	16.2224	45.2501	18.6935	
23731	67.2909	196.6788	64.7240	152.3782	36.4458	
17296	67.2704	31.4375	8.7784	37.8552	8.0298	
24763	67.2386	145.2555	55.4727	178.1109	61.5849	
8597	67.1806	198.7026	63.6688	150.9571	30.9868	
17601	67.1385	177.2865	41.5957	208.3250	38.2134	
11865	67.1056	52.4406	19.9271	67.5548	18.2568	
25545	67.0726	292.3751	125.5411	360.7596	112.0516	
13646	67.0601	683.5205	181.4408	555.9496	143.0688	
16205	67.0123	1735.3080	245.2707	1528.1296	279.4525	
10887	66.9805	67.1386	21.2123	91.3261	30.9001	
5384	66.9703	102.7054	105.1552	31.3045	36.3468	
20729	66.9566	698.2047	127.5898	788.2066	117.8244	
16518	66.9543	1021.8743	506.7264	732.4187	169.6207	
1159	66.9521	85.6168	27.9488	111.4484	30.7412	
18403	66.9339	2385.3237	624.8610	2798.2098	541.7250	
17734	66.9043	1608.1908	992.4403	936.8658	251.9332	
64	66.9032	97.8079	25.3021	124.9819	33.1042	

TABLE 5KK: General Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): All					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
14185	66.8338	625.7184	304.2997	421.8475	190.0477
13092	66.7474	154.7147	56.2731	198.6891	54.3053
24234	66.7451	103.2255	54.4972	72.8244	23.1475
13574	66.6905	114.3515	29.1618	98.1320	20.9062
20869	66.6678	99.6105	58.7429	55.4663	29.9272
14989	66.6633	848.9285	202.1613	706.7301	139.9248
1760	66.6257	156.3426	43.0133	187.7109	39.8231
10097	66.5984	104.9067	22.6132	123.0126	21.7780
3692	66.5893	155.3092	29.6198	181.2876	51.8793
17401	66.5848	853.6625	441.6559	548.8353	114.9200
15189	66.5791	677.1638	755.3909	270.6925	144.6199
15032	66.5382	33.1735	8.9006	39.5999	9.7445
20734	66.5132	145.0892	98.4298	87.0347	26.7804
11352	66.4768	266.1557	69.8218	311.6899	59.9196
16204	66.4711	1406.6185	208.4569	1244.8317	193.7024
17218	66.4677	313.9458	79.0318	376.5280	94.0896
18360	66.4563	346.4218	85.2672	426.0018	103.2818
1894	66.4427	204.3381	90.7458	137.8497	59.8939
1719	66.3949	156.4190	48.4436	192.6382	46.9362
244	66.3585	111.2471	93.3779	54.6692	21.8570
19048	66.3517	52.1643	20.6674	68.5798	24.8104
16947	66.3460	64.6320	19.0932	77.9823	20.8584
21722	66.3392	78.8460	28.5022	97.4257	24.5642
958	66.3233	94.4035	32.8317	115.1819	31.7274
20740	66.3096	566.3856	242.7529	429.8468	99.6875
19649	66.2733	77.2451	23.2617	99.7705	22.8430
15767	66.2687	185.6237	46.5275	222.2000	50.5705
561	66.2516	430.8957	72.4243	495.6473	76.5463
23300	66.2346	952.1552	173.8440	1085.2464	163.2462
14184	66.1891	301.6652	151.3410	207.8567	99.5168
15540	66.1050	113.0405	134.6910	43.5299	17.5777
24662	66.1027	156.7100	39.5070	183.0955	38.7900
17161	66.0777	329.7487	257.8396	182.3693	62.7994
25479	66.0254	1722.2655	325.7824	1991.8786	338.8588
15468	66.0083	1436.5322	229.7038	1276.1137	212.9131
20204	65.9526	33.7880	16.9377	44.5225	12.8927
11530	65.9230	382.9851	353.7153	177.7582	87.6155
1571	65.9128	215.1553	90.6577	165.2073	40.6653
15935	65.8992	60.7917	15.5263	74.6537	16.3323
8211	65.8912	828.4386	237.9910	659.2601	154.1607
24873	65.8560	379.1240	64.7791	435.5892	77.2116
19278	65.8173	90.0442	30.9386	116.4107	38.5619
14580	65.7684	26.6497	11.7230	32.3422	13.6095
1170	65.7479	90.3365	27.3135	72.4629	17.7150
20735	65.7195	148.3225	96.1664	92.8798	26.7873
21069	65.6854	41.7827	10.6361	51.4599	14.6778
8212	65.6047	600.7557	164.8662	464.3623	104.1410
1867	65.5399	728.2960	130.0766	636.9389	117.5832
4327	65.5387	108.9996	31.7510	88.2913	26.4895
24419	65.5251	87.8761	57.7349	60.3946	71.2141
11745	65.4910	479.0887	84.5144	542.6919	79.8628
23715	65.4603	32.3760	54.2645	6.1169	14.4939

TABLE 5KK: General Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): All					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
13938	65.4421	77.6296	19.5470	93.8024	22.4060
20915	65.4296	342.5477	102.8241	377.7500	81.9810
23166	65.4284	128.0336	40.9484	105.3646	24.9220
20229	65.4250	56.3994	20.7035	75.9754	22.7467
7164	65.4148	75.5764	21.5404	94.6448	27.7397
25795	65.3875	278.7450	102.4319	364.5919	132.0502
11531	65.3830	699.7980	596.1378	348.1907	133.4042
15410	65.3750	1163.7670	225.4294	1323.9725	212.6852
15617	65.3625	22.0207	10.8451	13.6338	7.1597
15125	65.3568	73.4162	25.4616	55.7064	17.4314
4448	65.3261	29.2971	10.2480	36.2998	10.4588
24420	65.3238	1652.0605	361.4076	1453.4235	277.2366
1324	65.3204	545.2323	114.5703	620.8049	113.7748
3623	65.3034	30.9912	14.5403	40.3320	13.1050
17963	65.2818	191.6866	68.4033	233.2032	76.8655
16485	65.2715	193.8563	39.4326	223.3569	43.3008
25567	65.2511	104.1917	68.9794	61.4264	22.5819
10185	65.1976	26.7998	12.4135	32.3165	9.7942
11152	65.1965	292.1286	136.9697	202.8651	65.7325
1731	65.1874	225.8634	77.9986	280.1050	71.4705
19085	65.1851	64.1975	23.2243	49.7426	9.5907
17374	65.1567	249.3977	41.6200	282.5205	59.8285
11483	65.1465	141.9201	75.6824	91.5787	30.8087
24783	65.1442	123.5962	30.1164	140.7204	30.2415
20743	65.1317	134.8016	31.2461	160.3544	25.4080
11966	65.1283	340.4083	61.8618	389.6810	68.3133
15041	65.1123	20.4580	12.9306	17.6363	22.8917
1841	65.0987	80.2937	32.1224	57.3336	25.8529
15300	65.0964	362.0063	238.6042	227.2502	112.3115
24867	65.0953	41.6273	15.5508	53.9894	18.6980
10016	65.0919	240.9787	88.2186	193.9152	52.6454
1715	65.0816	126.6321	32.8328	108.8386	24.9623
23780	65.0680	20.9706	12.2426	31.2656	15.8604
356	65.0418	81.3621	80.7823	33.5443	26.6137
9826	65.0339	31.0955	14.2829	41.2229	14.9068
10015	65.0259	254.6920	86.7035	210.1809	54.9484
2629	65.0248	37.6718	38.3003	18.3119	7.1524
25895	65.0237	8.6614	17.4251	20.4931	21.4915
1727	65.0214	60.2738	36.8581	41.1555	29.0110
23336	65.0180	78.2744	21.6816	96.2845	24.4844
19326	65.0168	65.5375	20.4478	53.0026	20.4891
19022	65.0066	95.9416	26.5834	109.1019	27.2374
25594	65.0009	349.0339	62.1185	385.2526	62.3908
16192	65.0009	34.5344	9.0067	41.1047	9.9814
23964	78.2144	126.5579	41.9930	77.4694	22.1057
3207	77.0137	137.5633	99.9263	268.1614	78.1861
2448	76.8158	74.2112	19.8277	100.7353	20.1242
6606	75.2706	2778.3866	1267.7231	1664.3804	379.8859
22939	75.1842	39.3657	41.2712	86.1641	33.9869
9583	74.9068	150.7627	119.1253	63.1029	22.4454
7362	74.8761	149.2298	45.9850	199.9303	42.5089
9059	73.8220	356.3773	96.3852	252.4288	64.5639

TABLE 5KK: General Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): All					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
3941	73.6287	254.3828	112.6162	168.0751	45.0735
5675	73.2808	298.0814	280.3566	127.8580	40.4409
13460	72.8578	262.2853	76.3707	350.4144	56.4241
4479	72.7248	228.3896	100.9083	145.1523	76.0803
12946	72.5713	182.2626	46.7070	225.9337	34.5637
14458	72.5599	65.5700	33.0872	36.6221	24.3487
3049	72.3109	405.9825	271.7365	217.2998	57.3264
9976	72.2904	491.7338	202.1302	670.8533	145.1039
22677	72.1904	258.0386	131.7064	137.4176	65.6055
22930	72.1870	217.4787	140.3171	357.4950	131.3775
23123	71.9698	416.7497	150.9988	301.3687	66.7771
5596	71.9505	108.4572	44.2477	155.3954	46.2269
2410	71.8208	37.3707	19.5481	20.8837	8.1009
11208	71.7936	438.5004	156.2798	307.8393	91.1659
11426	71.7788	430.7607	141.9394	576.5768	141.7497
11714	71.6628	561.7938	130.2066	690.4253	120.9098
12662	71.6128	59.2040	32.3768	90.8955	26.9766
22711	71.5912	190.7472	42.9075	237.9935	40.0049
22929	71.5855	475.6429	332.2278	785.2108	278.2014
2936	71.5855	58.5906	29.7154	77.3066	23.4416
15004	71.5116	639.3778	532.0518	267.6419	79.7785
5227	71.5070	195.6753	69.3480	141.6417	35.4440
5461	71.3910	169.5128	68.9620	108.3646	26.6276
3050	71.2307	167.4707	129.9994	74.5745	29.3413
22678	71.2171	240.9209	48.3079	298.3937	55.4801
14840	71.1978	37.0784	27.3592	16.2933	9.1900
15644	71.1375	1368.0130	384.5849	1057.4513	169.6982
1754	71.1068	142.5430	38.2508	188.2707	40.8210
15892	71.0158	116.6990	87.7207	47.4806	32.2038
21660	70.9396	2084.7781	602.4824	1503.6722	418.3801
24171	70.7100	74.3770	22.6059	97.4837	23.2611
13428	70.6986	65.2547	20.1172	81.4399	19.7620
17644	70.6872	396.1171	99.4881	464.4665	78.7436
21740	70.6690	366.4832	152.4895	260.6575	55.1897
22378	70.5542	232.3337	83.7080	281.5329	51.6681
3982	70.4507	212.0096	64.0922	278.0007	64.0539
22697	70.4394	293.2071	178.9767	436.8873	143.0992
19220	70.4223	343.5755	79.9381	422.1556	68.5468
4909	70.4177	137.6288	51.9239	192.9884	52.6384
5969	70.3939	524.5497	159.7548	408.3575	98.7308
7868	70.3188	100.1702	31.4308	134.8450	36.8073
16	70.1790	1542.4920	400.2563	1158.2518	239.3993
17320	70.1460	238.4803	68.2936	178.0873	42.0592
8820	70.0152	306.1685	131.6133	416.2712	114.1028
15596	69.9209	921.6366	213.7143	1113.8680	177.6359
4730	69.9209	938.7402	250.0683	1105.9844	192.0489
4253	69.8606	129.7892	40.9456	163.8501	34.9888
3304	69.8401	246.1395	57.3973	320.9397	79.5986
11399	69.8231	121.1745	49.4948	160.5642	48.4350
2331	69.7207	777.1228	653.0431	317.3893	197.5116
13029	69.6605	284.7117	151.2432	188.3711	57.9521
24051	69.6184	117.0387	31.0186	150.0066	31.1072

TABLE 5KK: General Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): All					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
18744	69.5945	135.8172	51.9894	105.7400	21.8866
24028	69.5240	307.6217	97.8341	392.1102	89.7908
11680	69.4967	199.3478	39.9329	226.2258	34.2756
10227	69.4433	662.8956	151.4879	810.0097	170.5345
14494	69.4353	196.4649	42.6964	232.1137	32.0114
20953	69.3035	722.8413	152.7183	865.5185	121.5070
5867	69.2921	149.7650	33.7458	122.5807	27.9332
16596	69.2602	247.6911	77.9596	330.0640	78.3001
7760	69.2318	302.7767	73.0101	358.5221	59.4807
2196	69.2204	369.0324	73.7154	314.7563	52.8844
4285	69.1932	257.5456	74.2533	312.0967	54.7004
9633	69.1932	82.8350	45.8355	112.2171	34.7979
21997	69.1886	265.5388	73.6475	343.0222	76.1280
9166	69.1590	113.8603	69.0179	54.2985	30.5793
17361	69.1340	73.5384	29.8482	101.2109	29.2492
15197	69.1272	257.4820	70.1225	321.7657	55.5452
2852	69.1113	341.3036	143.6284	447.7942	126.2752
8619	69.1011	52.3146	29.2644	79.2878	29.7707
8938	69.0897	41.6969	30.7637	78.2492	32.6247
14095	68.9567	162.5993	39.5793	193.2475	35.8449
3822	68.9498	926.8186	312.3629	700.4526	155.8964
22212	68.9191	48.6413	16.3801	34.9544	19.9834
18473	68.8782	262.0640	95.1634	191.9001	58.3264
22898	68.8611	141.4675	90.2036	77.8919	32.2325
9317	68.8577	589.7563	156.9397	694.6903	135.0163
8917	68.8520	134.8922	40.7874	174.6518	35.4760
22130	68.8475	180.4303	49.2285	222.9292	52.0793
3003	68.8282	135.2772	102.8554	58.5761	44.5251
14776	68.7918	387.6523	82.4764	453.2932	75.4357
6166	68.7690	250.6880	100.7962	336.0125	83.6622
4874	68.7361	109.2814	60.0379	152.9358	49.1098
6548	68.7236	307.2205	137.4010	199.8153	58.2425
12435	68.7202	192.5566	44.7331	237.4061	43.5750
13310	68.6860	341.7250	99.9780	257.6428	73.8299
16124	68.6792	324.6097	169.9924	212.2391	55.5821
10549	68.6735	40.2321	22.3612	23.7656	11.2454
14464	68.6599	93.1297	53.5168	143.4925	53.6981
15556	68.6371	588.6597	170.6522	733.8417	143.5701
6550	68.6099	375.4099	91.4847	469.2689	93.3862
3043	68.5928	112.5273	35.1563	143.1731	30.3926
13826	68.5325	1219.1377	228.4679	1434.0857	217.1109
12664	68.5212	84.8834	36.9411	118.8635	29.6834
21766	68.5200	144.2476	48.3863	101.4527	28.6385
19184	68.5189	45.0610	41.2248	14.0365	19.8994
5863	68.4939	264.4685	63.6224	311.1134	54.0255
6982	68.4586	45.3718	58.1904	9.0022	11.6442
21796	68.4370	344.1850	140.6693	254.3082	68.7033
7785	68.4166	18.3555	25.9962	36.4874	21.6407
24237	68.4041	321.6027	150.3749	212.4182	72.2063
22899	68.3984	71.9333	49.5082	39.0086	26.1443
2803	68.3722	138.3072	54.9376	183.4522	45.2714
14700	68.3438	50.6679	20.6625	36.6629	13.0915

TABLE 5KK: General Core Tox Markers			Atty. Ref. 44921-5090-01-WO/2105485		
Timepoint(s): All					
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
22626	68.3427	155.7964	113.5131	78.9540	32.9215
23978	68.3279	152.6187	43.5701	171.1043	27.8711
15449	68.3245	247.8878	62.7630	308.6923	71.0213
11897	68.2904	33.8856	11.4193	40.8550	10.4420
6263	68.2358	172.3906	46.0848	211.6096	45.1407
11246	68.2028	91.1100	26.1558	113.3934	27.4628
22081	68.2017	196.6991	49.8133	238.1235	42.4566
6946	68.1960	463.8221	106.1912	523.8894	92.4231
16599	68.1630	481.9139	159.4526	608.6746	132.1457
15283	68.1459	350.7587	73.8419	296.6933	65.3340
7315	68.1448	34.1667	46.4857	6.3470	17.7598
11346	68.1198	86.2982	59.0297	133.2276	58.5674
12819	68.1096	432.2876	85.9746	504.2326	92.5986
22692	68.0971	432.0026	111.8651	519.1002	100.0788
18507	68.0686	631.2803	150.0123	485.8802	116.3449
12117	68.0413	517.5391	142.7068	610.0512	111.6380
14654	67.9811	247.5209	89.6507	300.3160	70.1127
11242	67.9743	60.8831	36.0013	36.1544	16.9937
11696	67.9595	112.8963	44.9690	145.3375	40.0203
16752	67.9492	73.7208	50.4746	115.6206	50.0369
16533	67.9356	384.8170	134.7857	291.2660	70.3944
18251	67.9197	86.9313	23.1752	70.5075	16.0715
6758	67.8810	23.2318	13.6344	14.3589	9.5633
5668	67.8765	61.2483	34.8436	86.7686	31.1453
4861	67.8321	140.7460	51.4468	180.7381	41.4675
6645	67.8230	126.1081	28.5670	149.3772	32.0343
2539	67.8196	49.7049	46.1090	15.8238	22.4139
18206	67.8105	259.8077	52.0249	213.7398	49.5328
22615	67.7969	129.6028	185.4675	34.7554	33.0666
2373	67.7832	315.5731	87.4847	397.0314	82.1406
7749	67.7764	1258.3134	278.6021	1117.5030	188.5951
1287	67.7446	522.6697	143.8574	637.2558	128.8985
4855	67.7002	54.6195	21.2220	71.0632	20.0774
4154	67.6934	261.8141	94.0689	204.3082	51.8082
6585	67.6650	1146.6529	693.6719	647.8214	276.3213
23963	67.6604	75.4752	34.4528	55.7581	29.7259
22765	67.6593	48.4804	47.6731	18.4176	11.5782
6686	67.6457	283.0167	56.5288	346.3295	55.6461
3014	67.6445	209.8156	101.6757	259.7456	64.8388
10650	67.6411	605.0163	199.5154	772.0382	226.1347
17524	67.6343	1027.3541	226.9904	1192.6757	194.6795
4052	67.5570	395.4532	97.6496	468.9675	87.9716
8012	67.5558	40.1688	16.7176	27.3498	11.2761
4145	67.5354	1500.2723	281.6434	1281.0845	292.0936
17950	67.5331	61.5713	28.9890	38.8838	14.8504
11752	67.5069	1644.3102	418.3417	1893.5383	325.1941
11424	67.5035	474.7738	132.3324	609.3307	161.0273

TABLE 5LL: VASCULATURE AGENTS			Atty. Ref. 44921-5090-01-WO/2105485		
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
18135	85.1153	109.7176	9.3893	139.7580	28.6916
10015	84.4864	307.2109	43.9781	216.8248	63.9197
19101	81.7610	150.7254	26.2971	204.9365	48.1947
574	81.6038	868.6018	163.9421	601.0181	155.2758
24623	81.4990	150.4577	33.4726	102.4795	32.5100
10016	81.4990	255.3307	40.9017	201.4507	62.8547
11352	81.0797	238.0028	23.7105	302.5550	63.5805
8386	80.7128	191.6506	49.3239	319.8779	112.2708
22739	80.6604	288.6301	32.0748	361.3413	61.5743
23731	80.5031	208.2056	35.9154	159.3211	45.0584
1510	80.1363	10.4589	25.8256	47.1716	33.7011
18108	79.9266	186.5162	19.2195	157.6083	24.1957
21443	79.4549	278.9396	65.4947	205.5944	75.5048
15185	79.2977	1191.3623	205.4639	927.9137	185.0006
21709	79.0881	379.8018	93.7882	251.8914	56.1212
15629	79.0356	35.2703	17.2408	60.6819	30.0155
20917	78.5115	92.9927	17.2303	127.6081	31.1693
18043	78.4591	95.0253	23.7170	62.4319	21.3725
25802	78.3019	827.0513	147.1717	597.0436	152.1345
11423	78.1447	137.3237	37.3896	204.2398	66.5344
15379	78.1447	68.1402	20.2105	109.5535	36.7328
7196	78.0398	218.5551	37.3309	169.1407	42.7482
20856	77.9350	920.0494	90.0732	1098.4819	186.9935
10185	77.6730	16.8177	9.9618	31.4369	10.3328
17108	77.5681	108.6139	26.7864	137.8878	27.1458
8597	77.5681	196.5452	33.9961	158.3220	41.6170
15886	77.3585	473.4446	52.3190	404.9769	96.7858
20778	77.3061	52.1464	7.7314	62.5674	13.1215
11635	77.1488	105.4547	29.3018	135.9076	28.7605
2689	76.8868	155.2587	17.7492	180.5665	32.8832
15741	76.7296	213.3656	39.0040	294.8905	82.3313
12347	76.5199	80.9177	15.4050	105.6893	37.4992
1283	76.5199	67.8683	22.4825	110.9277	40.2613
692	76.5199	184.3874	42.8530	136.3400	35.4832
20740	76.4675	767.3149	291.8238	445.5906	133.9981
11387	76.2579	38.4384	13.7943	60.3757	18.4692
243	76.2055	773.9058	141.3403	619.1436	112.2056
1745	76.2055	15.3793	7.6469	28.1031	13.7895
17920	76.1006	159.4769	22.2002	194.6245	58.2811
8384	76.1006	51.3825	14.2583	97.5901	53.4359
18957	75.9958	757.8179	109.3794	915.5492	163.8856
13646	75.8910	676.2628	111.7638	577.1817	157.9653
15706	75.7862	24.5906	7.0316	36.7932	11.9603
1942	75.7338	101.1933	43.7219	44.5242	32.3307
24469	75.7338	948.2668	237.3070	819.7597	143.6278
21102	75.7338	141.3676	41.2766	100.6470	36.9067
20249	75.6813	30.2006	20.4935	56.9048	24.6832
1791	75.6289	101.6522	14.2226	124.6235	26.7114
11350	75.3145	34.4875	12.3894	63.9145	29.9663
3799	75.2621	523.5803	197.0155	380.1915	112.2063
13974	75.2096	651.4240	118.8780	537.7303	145.4884
20986	75.0524	82.5788	26.3473	143.8036	78.5875

TABLE 5LL: VASCULATURE AGENTS Atty Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
16177	75.0000	37.5857	5.9390	47.1518	13.6200
4472	74.9476	11.5361	5.2972	24.1656	30.6138
8212	74.7904	547.3333	71.3061	493.9779	132.4742
167	74.7904	450.3721	84.3374	587.7048	176.1635
8596	74.7904	208.7893	33.4042	156.1137	53.9278
8200	74.7379	45.1388	16.6701	32.1794	17.4461
2882	74.7379	464.8075	63.9311	567.8139	134.1016
16871	74.6855	57.6114	18.2495	83.2232	23.9593
15347	74.5807	107.5588	32.5574	81.7974	33.7852
1310	74.5807	124.4094	25.2817	150.5538	31.4220
15125	74.5283	77.9493	21.7589	58.5298	19.7972
17086	74.4759	258.0716	40.7148	207.6230	48.5107
2150	74.4235	124.7298	33.6883	153.2660	33.2243
20984	74.4235	512.0872	89.2280	660.8973	153.9719
5998	74.3711	80.2265	25.9044	108.2507	32.3720
21809	74.3711	47.6884	8.9429	61.3223	17.2978
25710	74.2138	120.7997	70.3191	66.2559	70.0479
21421	74.2138	36.1153	11.6675	47.8754	14.3422
25547	74.1614	233.1962	107.9455	357.9659	128.6390
1383	74.1614	147.4641	19.1658	162.2522	44.1481
349	74.1090	149.7719	18.5362	177.6972	36.2009
15849	74.0566	171.2254	58.8615	275.9202	143.2404
15697	74.0566	91.9489	11.0971	78.8023	25.1081
17159	74.0566	1323.5028	203.4722	1015.7870	243.5127
17612	73.7945	136.9738	29.7617	184.9652	54.2385
24428	73.7421	103.1922	25.2810	79.8971	19.9430
21840	73.7421	427.7531	74.4946	526.4060	123.2075
15510	73.7421	231.8466	44.2767	281.7326	54.4460
19177	73.6897	64.8991	24.4287	89.0352	27.9706
24107	73.6373	97.4100	40.5221	110.0648	28.1940
14554	73.5849	75.4516	13.1010	100.9108	27.6784
25379	73.5325	265.7183	60.6464	189.6822	49.0552
15767	73.5325	173.4103	26.5105	214.5572	52.0656
20985	73.4801	86.3309	36.4701	95.2842	22.7042
25594	73.4277	309.3353	59.2185	377.8568	64.1453
19894	73.4277	310.4214	135.1212	188.4120	63.2929
10071	73.3753	395.4896	137.1970	263.7735	107.1199
13151	73.3753	2714.7755	598.6401	2181.2875	567.1612
17212	73.3753	107.5611	17.5468	132.2912	35.3210
20092	73.3229	20.8556	6.3050	34.3316	18.0096
20515	73.2704	84.0794	12.1683	101.9885	22.0912
13926	73.2704	37.5504	8.4762	48.6142	12.4977
25365	73.1656	26.6963	9.5167	47.8513	34.0213
5065	73.1656	35.7989	9.9797	47.9983	13.0662
16330	73.1132	203.4242	27.4716	172.4242	33.3735
23854	73.0608	846.9536	120.8130	708.7908	174.9077
24420	73.0084	1707.2664	471.1667	1500.5725	304.1412
15244	73.0084	15.8128	4.8813	23.6694	9.2592
2757	90.4612	1394.3556	259.9027	804.5697	235.2406
6548	86.5828	482.3749	176.7265	210.7078	73.1549
24171	85.9539	55.8309	14.5413	93.8863	25.5174
17232	85.0105	1029.6436	282.6006	618.4952	216.5173

TABLE 5LL: VASCULATURE AGENTS			Atty. Ref. 44921-5090-01-WO/2105485		
GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
7846	83.4382	10.8661	25.0190	45.1187	20.7384
6037	82.9665	57.6997	16.1603	80.4229	18.0692
13622	82.9665	379.5139	76.6283	251.7745	93.4256
21816	82.9140	325.1390	68.8148	239.4026	60.7244
4168	82.7568	74.0096	24.8449	110.7782	22.4086
22914	82.6520	1799.6522	315.7989	2446.7836	478.9589
13664	82.0755	68.2059	8.9533	69.0762	35.2244
23978	81.4990	124.2453	24.0576	167.6789	33.1815
9454	81.2893	26.4989	33.4200	40.8179	23.9389
22484	80.9224	74.5881	19.8437	49.1110	19.6706
3014	80.9224	154.3853	48.4023	250.2939	75.1165
13296	80.9224	120.8284	40.0001	198.2065	56.0612
6897	79.9790	170.1049	32.0611	232.1324	59.2158
4330	79.8742	806.9655	381.4427	449.5732	123.3802
23822	79.8742	133.8473	112.7870	319.2932	145.2744
23015	79.7170	123.1848	48.7067	77.3003	20.7720
19840	79.7170	1671.9778	299.7040	1348.2181	316.5176
17003	79.5597	92.5409	49.1633	101.8845	29.1822
12946	79.4025	155.2430	34.5710	219.4671	41.7648
3904	79.3501	232.2479	56.7419	134.3438	93.9374
3332	78.8784	382.2983	62.5836	304.7896	65.9419
9485	78.6164	55.9292	45.7132	54.4030	25.9155
2321	78.6164	78.8396	29.1136	61.0074	17.6434
14434	78.3543	54.1851	10.2485	72.9447	25.9951
23428	78.1971	715.2545	140.8607	516.5359	137.3348
20924	78.1447	410.4444	95.4891	560.8658	145.6595
20038	78.1447	147.3998	30.8322	199.9446	50.9599
6946	77.9874	381.3689	98.9321	512.4703	102.1374
24022	77.9874	75.2621	19.1818	102.1569	27.0579
6509	77.8826	30.4987	24.7422	-0.6097	30.3192
6489	77.8826	190.7523	40.0632	256.2544	52.0426
3250	77.7254	670.2989	218.5471	434.6725	153.5243
17363	77.6730	431.3331	42.8836	527.6242	94.1476
24310	77.6205	426.9662	135.6242	306.1028	92.5617
5795	77.5681	415.6309	137.6263	548.9514	130.9881
16756	77.4109	170.4001	34.0036	135.6609	30.9771
12435	77.3585	163.8264	43.3651	230.6378	47.8400
12399	77.3061	205.5457	48.7213	144.4195	39.4832
18473	77.2537	321.1359	96.9679	202.9609	69.2027
12662	76.9916	54.9449	27.1251	85.9728	31.3064
6226	76.8868	248.0906	60.6504	172.4560	54.6165
19006	76.8344	1498.6855	335.8005	1055.0046	326.8376
3143	76.8344	258.8920	63.6545	323.6245	81.6914
3982	76.8344	177.5016	56.3794	268.5876	71.5952
5206	76.7820	93.5909	65.7977	111.3791	39.7002
18529	76.6771	408.7730	80.3108	289.0741	76.2198
4770	76.6771	231.7275	47.6269	171.2552	44.3775
19195	76.4675	2261.7617	542.8825	1640.1981	380.3353
7117	76.4675	112.8620	21.9993	142.7610	28.4806
21639	76.4151	608.7199	92.4545	519.8072	103.6568
14884	76.2055	50.1086	17.2257	74.0682	26.0532
13758	76.1530	30.3706	11.4064	44.7867	12.0964

TABLE 5LL: VASCULATURE AGENTS Atty. Ref. 44921-5090-01-WO/2105485

GLGC ID	LDA Score	Mean Tox	SD Tox	Mean Nontox	SD Nontox
11355	76.1006	102.1580	76.3592	110.7182	42.9662
5732	75.9958	123.6594	33.4845	153.8469	30.0792
15365	75.8910	1198.6604	348.4301	1027.8836	213.4106

TABLE 6: Toxin Administration and Animal Sacrifice Schedules

Atty. Ref. 44921-5090-01-WO/2105485

Toxin and Group	Treatment and Compound	Dosage (mg/kg)	Conc. (mg/ml)	No. of Males	Sacrifice
Cyclophosphamide	1 intraperitoneal injection on Day 1				
1	Saline	0	0	5	6 hours post-dose
2	Cyclophosphamide	20	2	5	6 hours post-dose
3	Cyclophosphamide	200	20	5	6 hours post-dose
4	Saline	0	0	5	24 hours post-dose
5	Cyclophosphamide	20	2	5	24 hours post-dose
6	Cyclophosphamide	200	20	5	24 hours post-dose
7	Saline	0	0	5	48 hours post-dose
8	Cyclophosphamide	20	2	5	48 hours post-dose
9	Cyclophosphamide	200	20	5	48 hours post-dose
10	Saline	0	0	5	Day 8
11	Cyclophosphamide	20	2	5	Day 8
12	Cyclophosphamide	200	20	5	Day 8
Ifosfamide	Daily i.p. injection except for day of sacrifice (groups 1-3 injected on day of sacrifice)				
1	Saline	0	0	5	6 hours post-dose
2	Ifosfamide	5	0.5	5	6 hours post-dose
3	Ifosfamide	100	10	5	6 hours post-dose
4	Saline	0	0	5	24 hours post-dose
5	Ifosfamide	5	0.5	5	24 hours post-dose
6	Ifosfamide	100	10	5	24 hours post-dose
7	Saline	0	0	5	48 hours post-dose
8	Ifosfamide	5	0.5	5	48 hours post-dose
9	Ifosfamide	100	10	5	48 hours post-dose
10	Saline	0	0	5	Day 6
11	Ifosfamide	5	0.5	5	Day 6
12	Ifosfamide	100	10	5	Day 6
Minoxidil	Added to drinking water, continuous until sacrifice (changed daily)	mg/L (ppm)			
1	Drinking water	0		5	6 hours post-dose
2	Minoxidil	12		5	6 hours post-dose
3	Minoxidil	120		5	6 hours post-dose
4	Drinking water	0		5	24 hours post-dose
5	Minoxidil	12		5	24 hours post-dose
6	Minoxidil	120		5	24 hours post-dose
7	Drinking water	0		5	Day 15
8	Minoxidil	12		5	Day 15
9	Minoxidil	120		5	Day 15
Hydralazine	i.p. injection, days 1 and 2	Dosage (mg/kg)	Conc. (mg/ml)		
1	Saline	0	0	5	6 hours post-dose
2	Hydralazine HCl	2.5	1.25	5	6 hours post-dose

TABLE 6: Toxin Administration and Animal Sacrifice Schedules

Atty. Ref. 44921-5090-01-WO/2105485

Toxin and Group	Treatment and Compound	Dosage (mg/kg)	Conc. (mg/ml)	No. of Males	Sacrifice
3	Hydralazine HCl	25	12.5	5	6 hours post-dose
4	Saline	0	0	5	24 hours post-dose
5	Hydralazine HCl	2.5	1.25	5	24 hours post-dose
6	Hydralazine HCl	25	12.5	5	24 hours post-dose
7	Saline	0	0	5	Day 3
8	Hydralazine HCl	2.5	1.25	5	Day 3
9	Hydralazine HCl	25	12.5	5	Day 3
<hr/>					
BI-QT	daily oral gavage, but not on day of sacrifice (except groups 1-3)				
1	0.5% natrosol	0	0	4	6 hrs post-dose
2	BI-QT	10	1.0	4	6 hrs post-dose
3	BI-QT	50	5.0	4	6 hrs post-dose
4	0.5% natrosol	0	0	4	24 hrs post-dose
5	BI-QT	10	1.0	4	24 hrs post-dose
6	BI-QT	50	5.0	4	24 hrs post-dose
7	0.5% natrosol	0	0	4	Day 3
8	BI-QT	10	1.0	4	Day 3
9	BI-QT	50	5.0	4	Day 3
10	0.5% natrosol	0	0	4	Day 7
11	BI-QT	10	1.0	4	Day 7
12	BI-QT	50	5.0	4	Day 7
13	0.5% natrosol	0	0	4	Day 14
14	BI-QT	10	1.0	4	Day 14
15	BI-QT	50	5.0	4	Day 14
<hr/>					
Clenbuterol	Daily subcutaneous injection, but not on day of sacrifice (except groups 1-3)				
1	Saline	0	0.00	5	6 hrs post-dose
2	Clenbuterol	0.4	0.23	5	6 hrs post-dose
3	Clenbuterol	4.0	2.27	5	6 hrs post-dose
4	Saline	0	0.00	5	24 hrs post-dose
5	Clenbuterol	0.4	0.23	5	24 hrs post-dose
6	Clenbuterol	4.0	2.27	5	24 hrs post-dose
7	Saline	0	0.00	5	Day 6
8	Clenbuterol	0.4	0.23	5	Day 6
9	Clenbuterol	4.0	2.27	5	Day 6
10	Saline	0	0.00	5	Day 15
11	Clenbuterol	0.4	0.23	5	Day 15
12	Clenbuterol	4.0	2.27	5	Day 15
<hr/>					
Isoproterenol	1 subcutaneous injection on Day 1				
1	Sterile water	0	0	5	3 hrs post-dose
2	Isoproterenol	0.05	0.05	5	3 hrs post-dose
3	Isoproterenol	0.5	0.5	5	3 hrs post-dose
4	Sterile water	0	0	5	6 hrs post-dose
5	Isoproterenol	0.05	0.05	5	6 hrs post-dose

TABLE 6: Toxin Administration and Animal Sacrifice Schedules

Atty. Ref. 44921-5090-01-WO/2105485

Toxin and Group	Treatment and Compound	Dosage (mg/kg)	Conc. (mg/ml)	No. of Males	Sacrifice
6	Isoproterenol	0.5	0.5	5	6 hrs post-dose
7	Sterile water	0	0	5	24 hrs post-dose
8	Isoproterenol	0.05	0.05	5	24 hrs post-dose
9	Isoproterenol	0.5	0.5	5	24 hrs post-dose
Norepinephrine					
1 subcutaneous injection on Day 1					
1	Sterile water	0	0	5	3 hrs post-dose
2	Norepinephrine	0.05	0.05	5	3 hrs post-dose
3	Norepinephrine	0.5	0.5	5	3 hrs post-dose
4	Sterile water	0	0	5	6 hrs post-dose
5	Norepinephrine	0.05	0.05	5	6 hrs post-dose
6	Norepinephrine	0.5	0.5	5	6 hrs post-dose
7	Sterile water	0	0	5	24 hrs post-dose
8	Norepinephrine	0.05	0.05	5	24 hrs post-dose
9	Norepinephrine	0.5	0.5	5	24 hrs post-dose
Epinephrine					
1 subcutaneous injection on Day 1					
1	Sterile water	0	0	5	3 hrs post-dose
2	Epinephrine	0.1	0.1	5	3 hrs post-dose
3	Epinephrine	1	1	5	3 hrs post-dose
4	Sterile water	0	0	5	6 hrs post-dose
5	Epinephrine	0.1	0.1	5	6 hrs post-dose
6	Epinephrine	1	1	5	6 hrs post-dose
7	Sterile water	0	0	5	24 hrs post-dose
8	Epinephrine	0.1	0.1	5	24 hrs post-dose
9	Epinephrine	1	1	5	24 hrs post-dose
Adriamycin (Doxorubicin HCl)					
1 intravenous injection on Day 1					
1	Saline	0	0	5	6 hours post-dose
2	Doxorubicin HCl	1.3	0.64	5	6 hours post-dose
3	Doxorubicin HCl	12.8	6.4	5	6 hours post-dose
4	Saline	0	0	5	24 hours post-dose
5	Doxorubicin HCl	1.3	0.64	5	24 hours post-dose
6	Doxorubicin HCl	12.8	6.4	5	24 hours post-dose
7	Saline	0	0	5	Day 6
8	Doxorubicin HCl	1.3	0.64	5	Day 6
9	Doxorubicin HCl	12.8	6.4	5	Day 6
10	Saline	0	0	5	Day 8
11	Doxorubicin HCl	1.3	0.64	5	Day 8
12	Doxorubicin HCl	12.8	6.4	5	Day 8
Amphotericin B					
intravenous bolus on Day 1					
1	Saline	0	0	5	3 hrs post-dose
2	Amphotericin B	0.25	0.125	5	3 hrs post-dose
3	Amphotericin B	2.5	1.25	7	3 hrs post-dose
4	Saline	0	0	5	6 hrs post-dose
5	Amphotericin B	0.25	0.125	5	6 hrs post-dose

TABLE 6: Toxin Administration and Animal Sacrifice Schedules

Atty. Ref. 44921-5090-01-WO/2105485

Toxin and Group	Treatment and Compound	Dosage (mg/kg)	Conc. (mg/ml)	No. of Males	Sacrifice
6	Amphotericin B	2.5	1.25	7	6 hrs post-dose
7	Saline	0	0	5	24 hrs post-dose
8	Amphotericin B	0.25	0.125	5	24 hrs post-dose
9	Amphotericin B	2.5	1.25	7	24 hrs post-dose
Epirubicin					
intravenous injection on Day 1					
1	Saline	0	0	5	6 hours post-dose
2	Epirubicin	1.2	0.6	5	6 hours post-dose
3	Epirubicin	12	6	5	6 hours post-dose
4	Saline	0	0	5	24 hours post-dose
5	Epirubicin	1.2	0.6	5	24 hours post-dose
6	Epirubicin	12	6	5	24 hours post-dose
7	Saline	0	0	5	Day 6
8	Epirubicin	1.2	0.6	5	Day 6
9	Epirubicin	12	6	5	Day 6
10	Saline	0	0	5	Day 8
11	Epirubicin	1.2	0.6	5	Day 8
12	Epirubicin	12	6	5	Day 8
Phenylpropanolamine					
intrapitoneal injection on Day 1					
1	Saline	0	0	5	3 hrs post-dose
2	Phenylpropanolamine	8	0.8	5	3 hrs post-dose
3	Phenylpropanolamine	80	8	5	3 hrs post-dose
4	Saline	0	0	5	6 hrs post-dose
5	Phenylpropanolamine	8	0.8	5	6 hrs post-dose
6	Phenylpropanolamine	80	8	5	6 hrs post-dose
7	Saline	0	0	5	24 hrs post-dose
8	Phenylpropanolamine	8	0.8	5	24 hrs post-dose
9	Phenylpropanolamine	80	8	5	24 hrs post-dose
Rosiglitazone					
5 daily doses of oral gavage					
1	1% methylcellulose	0	0	5	6 hours post-dose
2	Rosiglitazone	18	1.8	5	6 hours post-dose
3	Rosiglitazone	180	18	5	6 hours post-dose
4	1% methylcellulose	0	0	5	24 hours post-dose
5	Rosiglitazone	18	1.8	5	24 hours post-dose
6	Rosiglitazone	180	18	5	24 hours post-dose
7	1% methylcellulose	0	0	5	Day 8
8	Rosiglitazone	18	1.8	5	Day 8
9	Rosiglitazone	180	18	5	Day 8
10	1% methylcellulose	0	0	5	Day 15
11	Rosiglitazone	18	1.8	5	Day 15
12	Rosiglitazone	180	18	5	Day 15

WE CLAIM:

1. A method of predicting at least one toxic effect of a compound, comprising:
 - (a) obtaining a gene expression profile of a tissue or cell sample exposed to the compound; and
 - (b) comparing the gene expression profile to a database comprising substantially all of the data or information of Tables 5A-5LL.
2. A method of claim 1, wherein the gene expression profile obtained from the tissue or cell sample comprises the level of expression for at least one gene.
3. A method of claim 2, wherein the level of expression is compared to a Tox Mean and/or NonTox Mean value in Tables 5A-5LL.
4. A method of claim 3, wherein the level of expression is normalized prior to comparison.
5. A method of claim 1, wherein the database comprises substantially all of the data or information in Tables 5A-5LL.
6. A method of claim 1, wherein the tissue or cell sample is a heart tissue or heart cell sample.
7. A method of predicting at least one toxic effect of a compound, comprising:
 - (a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II; wherein differential expression of the genes in Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II is indicative of at least one toxic effect.
8. A method of predicting the progression of a toxic effect of a compound, comprising:

- (a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II; wherein differential expression of the genes in Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II is indicative of toxicity progression.
9. A method of predicting the cardiotoxicity of a compound, comprising:
 - (a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II; wherein differential expression of the genes in 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II is indicative of cardiotoxicity.
10. A method of identifying an agent that modulates the onset or progression of a toxic response, comprising:
 - (a) exposing a cell to the agent and a known toxin; and
 - (b) detecting the agent induced change in the expression level of two or more genes from Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II; wherein differential expression of the genes in Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II, compared to a control, is indicative of toxicity.
11. A method of predicting the cellular pathways that a compound modulates in a cell, comprising:
 - (a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II; wherein differential expression of the genes in Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II is associated the modulation of at least one cellular pathway.
12. The method of any one of claims 7-11, wherein the expression levels of at least 5 genes are detected.

13. The method of any one of claims 7-11, wherein the expression levels of at least 10 genes are detected.
14. The method of any one of claims 7-11, wherein the expression levels of at least 25 genes are detected.
15. The method of any one of claims 7-11, wherein the expression levels of at least 50 genes are detected.
16. The method of any one of claims 7-11, wherein the expression levels of at least 100 genes are detected.
17. The method of any one of claims 7-11, wherein the expression levels of at least 200 genes are detected.
18. The method of any one of claims 7-11, wherein the expression levels of at least 500 genes are detected.
19. The method of any one of claims 7-11, wherein the expression levels of nearly all genes are detected.
20. A method of claim 7 or 8, wherein the effect is selected from the group consisting of myocarditis, arrhythmias, tachycardia, myocardial ischemia, angina, hypertension, hypotension, dyspnea, and cardiogenic shock.
21. A method of claim 9, wherein the cardiotoxicity is associated with at least one heart disease pathology selected from the group consisting of myocarditis, arrhythmias, tachycardia, myocardial ischemia, angina, hypertension, hypotension, dyspnea, and cardiogenic shock.
22. A method of claim 11, wherein the cellular pathway is modulated by a toxin selected from the group consisting of cyclophosphamide, ifosfamide, minoxidil,

hydralazine, BI-QT, clenbuterol, isoproterenol, norepinephrine, epinephrine, adriamycin, amphotericin B, epirubicin, phenylpropanolamine, and rosiglitazone.

23. A set of at least two probes, wherein each of the probes comprises a sequence that specifically hybridizes to a gene in Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II.
24. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 10 genes.
25. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 50 genes.
26. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 100 genes.
27. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 500 genes.
28. A set of probes according to any one of claims 23-27, wherein the probes are attached to a solid support.
29. A set of probes according to claim 28, wherein the solid support is selected from the group consisting of a membrane, a glass support and a silicon support.
30. A solid support comprising at least two probes, wherein each of the probes comprises a sequence that specifically hybridizes to a gene in Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II.
31. A solid support of claim 30, wherein the solid support is an array comprising at least 10 different oligonucleotides in discrete locations per square centimeter.

32. A solid support of claim 31, wherein the array comprises at least about 100 different oligonucleotides in discrete locations per square centimeter.
33. A solid support of claim 31, wherein the array comprises at least about 1000 different oligonucleotides in discrete locations per square centimeter.
34. A solid support of claim 31, wherein the array comprises at least about 10,000 different oligonucleotides in discrete locations per square centimeter.
35. A computer system comprising:
 - (a) a database containing information identifying the expression level in a tissue or cell sample exposed to a cardiotxin of a set of genes comprising at least two genes in Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II; and
 - (b) a user interface to view the information.
36. A computer system of claim 35, wherein the database further comprises sequence information for the genes.
37. A computer system of claim 35, wherein the database further comprises information identifying the expression level for the set of genes in the tissue or cell sample before exposure to a cardiotxin.
38. A computer system of claim 35, wherein the database further comprises information identifying the expression level of the set of genes in a tissue or cell sample exposed to at least a second cardiotxin.
39. A computer system of any of claims 35-38, further comprising records including descriptive information from an external database, which information correlates said genes to records in the external database.
40. A computer system of claim 39, wherein the external database is GenBank.

41. A method of using a computer system of any one of claims 35-38 to present information identifying the expression level in a tissue or cell of at least one gene in Tables 5A-5LL, comprising:
comparing the expression level of at least one gene in Tables 5A-5LL in a tissue or cell exposed to a test agent to the level of expression of the gene in the database.
42. A method of claim 41, wherein the expression levels of at least 10 genes are compared.
43. A method of claim 41, wherein the expression levels of at least 100 genes are compared.
44. A method of claim 41, wherein the expression levels of at least 500 genes are compared.
45. A method of claim 41, further comprising the step of displaying the level of expression of at least one gene in the tissue or cell sample compared to the expression level when exposed to a toxin.
46. A method of claim 10, wherein the known toxin is a cardiotoxin.
47. A method of claim 43, wherein the cardiotoxin is selected from the group consisting of cyclophosphamide, ifosfamide, minoxidil, hydralazine, BI-QT, clenbuterol, isoproterenol, norepinephrine, epinephrine, adriamycin, amphotericin B, epirubicin, phenylpropanolamine, and rosiglitazone.
48. A method of any one of claims 7-11, wherein nearly all of the genes in Tables 5A-5LL are detected.
49. A method of claim 48, wherein all of the genes in at least one of Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II are detected.

50. A kit comprising at least one solid support of any one of claims 30-34 packaged with gene expression information for said genes.
51. A kit of claim 50, wherein the gene expression information comprises gene expression levels in a tissue or cell sample exposed to a cardiotoxin.
52. A kit of claim 51, wherein the gene expression information is in an electronic format.
53. A method of any one of claims 7-11, wherein the compound exposure is *in vivo* or *in vitro*.
54. A method of any one of claims 7-11, wherein the level of expression is detected by an amplification or hybridization assay.
55. A method of claim 54, wherein the amplification assay is quantitative or semi-quantitative PCR.
56. A method of claim 54, wherein the hybridization assay is selected from the group consisting of Northern blot, dot or slot blot, nuclease protection and microarray assays.
57. A method of identifying an agent that modulates at least one activity of a protein encoded by a gene in Tables 5C, 5D, 5E, 5F, 5H, 5J, 5L, 5N, 5P, 5R, 5S, 5U, 5W, 5Y, 5AA, 5CC, 5EE, 5GG, 5HH, and 5II comprising:
 - (a) exposing the protein to the agent; and
 - (b) assaying at least one activity of said protein.
58. A method of claim 57, wherein the agent is exposed to a cell expressing the protein.
59. A method of claim 58, wherein the cell is exposed to a known toxin.

60. A method of claim 59 wherein the toxin modulates the expression of the protein.
61. A method of predicting at least one toxic effect of a compound, comprising:
 - (a) obtaining a gene expression profile of a tissue or cell sample exposed to the compound; and
 - (b) comparing the gene expression profile to a database comprising at least part of the data or information of Tables 5A, 5B, 5G, 5I, 5K, 5M, 5O, 5Q, 5T, 5V, 5X, 5Z, 5BB, 5DD, 5FF, 5JJ, 5KK, and 5LL.
62. A method of claim 61, wherein the gene expression profile obtained from the tissue or cell sample comprises the level of expression for at least one gene.
63. A method of claim 62, wherein the level of expression is compared to a Tox Mean and/or Non-Tox Mean value in Tables 5A, 5B, 5G, 5I, 5K, 5M, 5O, 5Q, 5T, 5V, 5X, 5Z, 5BB, 5DD, 5FF, 5JJ, 5KK, and 5LL.
64. A method of claim 63, wherein the level of expression is normalized prior to comparison.
65. A method of claim 61, wherein the database comprises substantially all of the data or information in Tables 5A, 5B, 5G, 5I, 5K, 5M, 5O, 5Q, 5T, 5V, 5X, 5Z, 5BB, 5DD, 5FF, 5JJ, 5KK, and 5LL.
66. A method of claim 61, wherein the tissue or cell sample is a heart tissue or heart cell sample.

CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/063334 A2

(51) International Patent Classification⁷:

C12N

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/US2004/000240

(22) International Filing Date: 8 January 2004 (08.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/338,044 8 January 2003 (08.01.2003) US

(71) Applicant (for all designated States except US): **GENE LOGIC, INC.** [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MENDRICK, Donna, L.** [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). **PORTER, Mark, W.** [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). **JOHNSON, Kory, R.** [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). **HIGGS, Brandon** [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). **CASTLE, Arthur** [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). **ELASHOFF, Michael** [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US).

(74) Agents: **TUSCAN, Michael, S.** et al.; Morgan, Lewis & Bockius LLP, 1111 Pennsylvania Avenue, NW, Washington, DC 20004 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report
- with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

(48) Date of publication of this corrected version:

6 January 2005

(15) Information about Correction:

see PCT Gazette No. 01/2005 of 6 January 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MOLECULAR CARDIOTOXICOLOGY MODELING

(57) Abstract: The present invention is based on the elucidation of the global changes in gene expression and the identification of toxicity markers in tissues or cells exposed to a known cardiotoxin. The genes may be used as toxicity markers in drug screening and toxicity assays. The invention includes a database of genes characterized by toxin-induced differential expression that is designed for use with microarrays and other solid-phase probes.

WO 2004/063334 A2

REVISED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/063334 A2(51) International Patent Classification⁷:

C12Q 1/68

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/US2004/000240

(22) International Filing Date: 8 January 2004 (08.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/338,044 8 January 2003 (08.01.2003) US

(71) Applicant (for all designated States except US): GENE LOGIC, INC. [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MENDRICK, Donna, L. [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). PORTER, Mark, W. [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). JOHNSON, Kory, R. [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). HIGGS, Brandon [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). CASTLE, Arthur [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). ELASHOFF, Michael [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US).

(74) Agents: TUSCAN, Michael, S. et al.; Morgan, Lewis & Bockius LLP, 1111 Pennsylvania Avenue, NW, Washington, DC 20004 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority

(48) Date of publication of this revised version: 26 May 2006

(15) Information about Corrections:

see PCT Gazette No. 21/2006 of 26 May 2006

Previous Correction:

see PCT Gazette No. 01/2005 of 6 January 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MOLECULAR CARDIOTOXICOLOGY MODELING

(57) Abstract:

PATENT COOPERATION TREATY

PCT

DECLARATION OF NON-ESTABLISHMENT OF INTERNATIONAL SEARCH REPORT
(PCT Article 17(2)(a), Rule 13ter.1(c) and (d) and 39)

Applicant's or agent's file reference 44921-5090W1	IMPORTANT DECLARATION	Date of mailing (day/month/year) 09 MAR 2006
International application No. PCT/US04/00240	International filing date (day/month/year) 08 January 2004 (08.01.2004)	(Earliest) Priority date (day/month/year) 08 January 2003 (08.01.2003)
International Patent Classification (IPC) or both national classification and IPC IPC(8): C12Q 1/68 and US Cl.: 435/6		
Applicant GENE LOGIC INC		

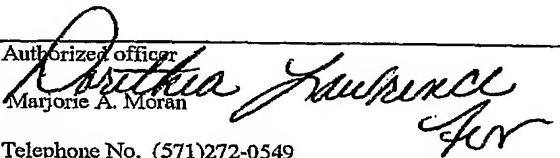
This International Searching Authority hereby declares, according to Article 17(2)(a), that no international search report will be established on the international application for the reasons indicated below.

1. The subject matter of the international application relates to:
 - a. scientific theories.
 - b. mathematical theories
 - c. plant varieties.
 - d. animal varieties.
 - e. essentially biological processes for the production of plants and animals, other than microbiological processes and the products of such processes.
 - f. schemes, rules or methods of doing business.
 - g. schemes, rules or methods of performing purely mental acts.
 - h. schemes, rules or methods of playing games.
 - i. methods for treatment of the human body by surgery or therapy.
 - j. methods for treatment of the animal body by surgery or therapy.
 - k. diagnostic methods practised on the human or animal body.
 - l. mere presentations of information.
 - m. computer programs for which this International Searching Authority is not equipped to search prior art.
2. The failure of the following parts of the international application to comply with prescribed requirements prevents a meaningful search from being carried out:

the description the claims the drawings
3. A meaningful search could not be carried out without the sequence listing; the applicant did not, within the prescribed time limit:
 - furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
 - furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
 - pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rule 13ter.1(a) or (b).
4. A meaningful search could not be carried out without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.

5. Further comments:

Please See Continuation Sheet

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer  Marjorie A. Moran Telephone No. (571)272-0549
---	--

DECLARATION OF NON-ESTABLISHMENT OF INTERNATIONAL SEARCH REPORT	International application No. PCT/US04/00240
<p>5. Further comments:</p> <p>All claims recite use of data in one or more of Tables 5A-5LL. Tables 5A-5LL of the description contain experimentally derived data for genes designated by "GLGC ID". There is no correlation of these "GLGC ID"s with SEQ ID NO's, such that any of Tables 5A-5LL can be used/searched as set forth in the claims. A multiplicity of other Tables do disclose correlations between GLGC ID's and SEQ ID NO's; however, the data in the other Tables is not presented in any coherent manner such that it is possible to correlate the GLGC ID's of Tables 5A-5LL with particular SEQ ID NO's in order to search the limitations of the claims. In fact, it is impossible to discern whether any of GLGC ID's of Tables 5A-5LL are actually disclosed in any other Table which does contain SEQ ID NO's or whether the different Tables disclose entirely separate sets of GLGC ID's from those of any of Tables 5A-5LL. As the genes in Tables 5A-5LL are not identified in any way which renders them searchable, and ALL claims recite use of data from one or more of Tables 5A-5LL, the claims are unsearchable.</p>	